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# GALLOWAY BROS & Co.

PURE TESTED SEEDS

WATERLOO IOWA

1918

Price 10 Cents





**King White** See page 87 for  
Per pkt. 10c; description, illustration  
per oz. 40c. actual size.

**Jean Ireland**

Per pkt. 20c; per oz. 75c  
See page 69 for description.  
Illustration actual size.

**Aster  
Giant Comet**

See page 70 for

description and price. Comes mixed, in all colors. Our most gorgeous Aster  
Price, pkt. 15c; 2 pkts. 25c

Here are some of the men of our organization who are actively engaged in trying to please our customers. We will all take extra good care of the seed orders you entrust to us in 1918. If you are ever up this way, come and see us. We would like to have you visit our seed houses and greenhouses and we will try to make the time you spend with us profitable. If your neighbors have never planted Galloway Bros. & Company pure tested seeds, why not persuade them to ask for a copy of our 1918 catalog? It will be mailed free.

J. W. Galloway  
V. P. & G. M.

J. M. Jensen  
Order Dept.

Wm. Galloway  
President

Amos Burhans  
Advertising

P. F. Scheibe  
Nursery Dept.



Our location at Waterloo puts us within twenty-four hours' mail service of about one-half of the population of the United States. We have excellent express and freight shipping facilities, having three trunk line railroads, including the Chicago Great Western, the Rock Island, Illinois Central, and the Waterloo, Cedar Falls & Northern electric road, which is connected with the Northwestern and the Minneapolis & St. Louis. These shipping facilities enable us to give your large order as well as small orders quick handling.

## Greetings, Friends and Customers, for 1918!

FOR this season we have tried to condense our Pure Seed Book and Planting Guide so our friends and customers will not have to wade through volumes of description to find the items they want to plant and how they are planted and cared for.

We have reduced the size of our book so that it fits the pocket as so many have asked us to do.

You will find this 1918 book a complete listing of the best varieties of the various vegetables, berries, bush fruits, fruit trees, shrubs, plants, etc.

Some seed catalogs list twice as many varieties as we do, but many of the kinds they offer have been discarded by up-to-date, progressive gardeners and vegetable growers. We only offer one quality, absolutely and positively the best by actual test.

In 1918 our motto will continue to be "Pure Tested Seeds at Right Prices." Although seed crops both foreign and domestic have been hard hit on account of the war, we will not put in cheap "filler" which will not germinate and grow, because we know that in the future, as well as in the past, the only thing that will make our seed business still greater is seed that will make our customers recommend us to their neighbors and friends.

And though many seeds have advanced because of the scarcity, still we have kept our prices as low as possible, asking only a small profit on the thousands upon thousands of orders rather than a big profit on a few sales. We have constantly kept this in mind since starting the seed business. Our success is best shown by our annual growth.

## Our Friends Are Our Best Advertisements

The many unsolicited testimonials we receive every season prove that our pure tested high quality seeds—our standard of germination, and the manner in which we handle our customers' orders, are the things that count in building up a large seed business.

We try to keep in mind that it is not the order that you give us this year that counts, but your order every year, season after season, that we strive for.

Good seeds—pure seeds—sure seeds—are the smallest initial investment you make in your garden or your field crops.

The difference between pure seed and poor seed at buying time is not very much—a small thing to reckon, but at harvest time the good seed will have matured into heavy profitable crops, while the poor

seed yields poor to medium results.

Good seed is cheapest in the end—and only the results at harvest time count.

At this time when all of us gardeners, truckers, farmers and planters are trying to help win the war by growing the biggest crops possible, pure seeds are of the greatest importance.

This is why we are testing our 1918 seeds more severely than ever and sending out nothing but the very best seeds of high germination and prime in quality.

I have often said that no matter how valuable your land—no matter how much you weed, dig, hoe or cultivate—how deep you plow—how well you make the seed bed—how much you disc, harrow and rake—how much the sun shines or how much rain you get—how much you irrigate or how ideal the weather conditions may be—no matter how much you fertilize or manure the soil—and every one of these things represent real money—they are all lost, all wasted, all the effort counts for nothing, if in the first place you don't have the right kind of seed to put into your soil.

Remember, a small order is just as much appreciated as a large one, and if you want to do us a good turn just loan this book to a neighbor or friend who is also in the market for pure seeds—sure seeds.

WM. GALLOWAY.

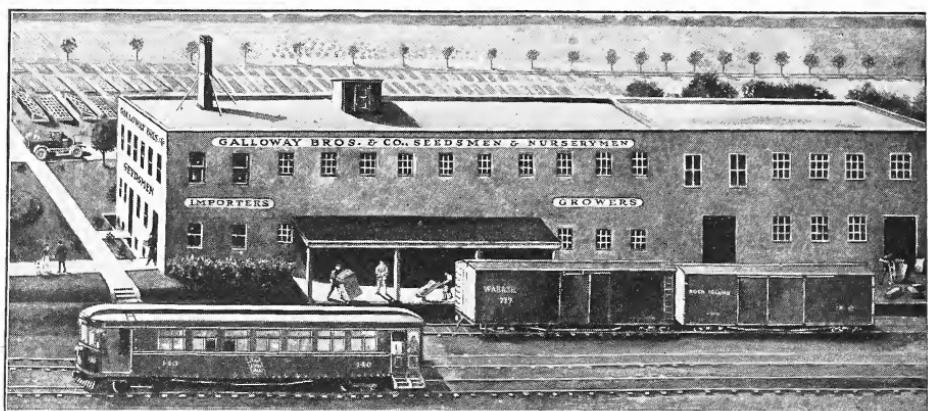
## Sign of Proven Quality

Wherever this sign of the star appears it means that the article—seed or plant—so marked is one that we know from experience is the best of its kind and gives the most uniform and satisfactory results. Note that our specials in color are most all marked with the star. Other items are also marked because they are standard varieties and have given our customers satisfaction season after season. Watch for the star in making out your order.



have given our customers satisfaction season after season. Watch for the star in making out your order.





Come and see us at Waterloo! You will be welcome. When you come to Waterloo say to anybody that you want to go out to the Galloway seed house; they will direct you so you get right off at our door. The above picture is a true illustration (no exaggeration) of our location, grounds and buildings even to the very interurban freight cars and trains that run past our plant. We have the facilities of four good railroads to handle our freight, mail and express with accuracy and dispatch. Be sure and get your order in early this year!

## Why It Pays to Buy Only Pure, Tested Seeds **LISTEN!!!**

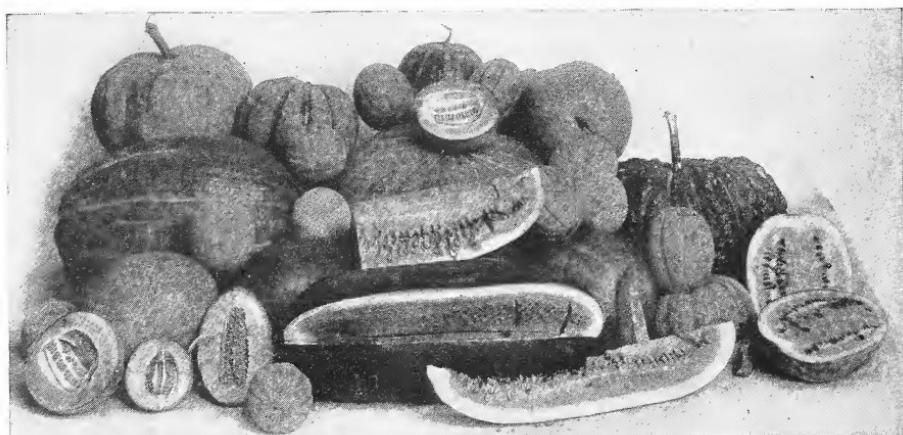
If there was some way that we could impress upon your mind the importance, especially this year, of getting your order in early, we would like to do it on this page now!

This picture shows a part of our warehouses where we have on hand at the writing of this catalog large stocks of clean, fresh, tested field and garden seeds, plants, shrubs, nursery stock, etc. Our seed stocks are very complete and all ready to ship. We have facilities for quick, safe delivery, but of all the years this is the one year to not wait, but get your seed order in! Men who have been in the seed business for over fifty years declare that

this is going to be the most trying seed year in the history of the country. So get your order in while you can get a part of our clean, fresh, tested stocks. We do not believe all of these stocks will last throughout the season, although we bought heavily and anticipated the present conditions.

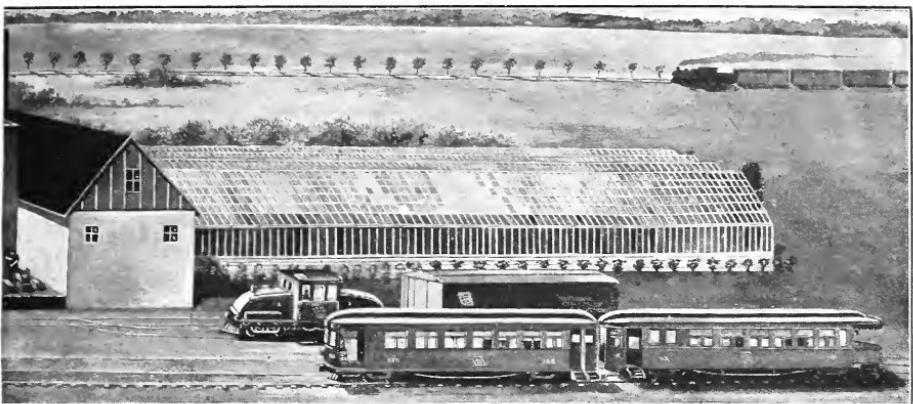
Talk is cheap, but remember there is a difference between pure tested seeds and seeds that are not tested!

An Exhibit of Melons from Our Pure, Tested Seed



The above melon exhibit was grown by a customer of Galloway Bros. & Company the summer of 1916. He bought just about every variety of melon seed that we offered that year, but says he could not get any more of them into the picture.

Nothing like a good melon patch wherever there is room. Too many town people do not grow muskmelons. They should be found in every garden. It doesn't require much space to plant a few hills of them broadcast. See that some are included in your order this year.



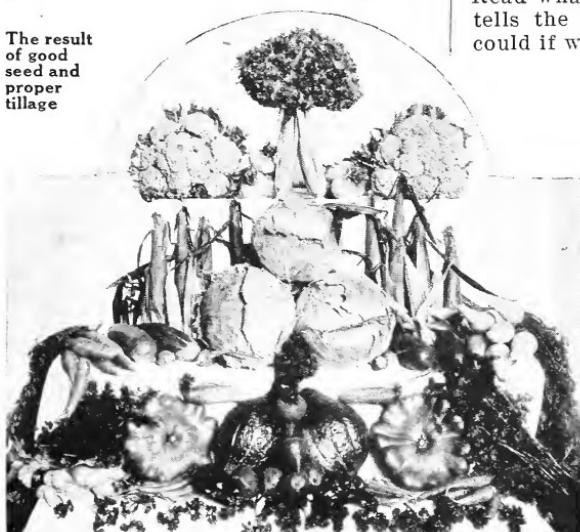
The above continuation of a view of our plant does not show the new large vegetable and bedding plant greenhouse that we erected the fall of 1917. In our spacious greenhouses we propagate garden plants and bedding plants of all kinds. The greenhouses shown above are, in fact, located behind our seed house, but from the point this picture was taken they could not be seen, so we had the artist put them out here to give you an idea of their size. The big steam boilers in the boiler house next to the greenhouses heat them as well as the seed house and warehouses behind. Come and see us when you can. We will be glad to show you around.

**T**HE organization of Galloway Bros. & Company are putting forth every effort possible and are sincere in their efforts to furnish only the very best pure, tested seeds, which means that every single lot of seeds that go into our packets must stand a high germination test or it does not go out of our house! There is a difference between pure tested seeds and seeds that have been put up to sell only, and if you will read some of the unusual letters of enthusiasm in this catalog, which tell the difference between our seeds and others, you will understand what we mean. These letters tell the truth, and why it pays to buy only pure tested seeds.

Good seed is the smallest initial expense in connection with the putting

in and harvesting of any crop! No matter how much you prepare your ground, weed, hoe, dig or water, if you don't have good seed in the first place your efforts are all in vain. The little saving that you make on the difference between good pure tested seeds and poor seeds is over-balanced a hundred times by the results that follow! Don't forget that it costs money to procure and test seeds; but pure tested seeds at double our prices would be cheap when you stop to figure the net results at harvest time! Join us in our campaign for pure tested seeds and we believe you will be just like our tens of thousands of good customers—our best advertisement! Read what they say in this catalog. It tells the whole story better than we could if we would write six pages here.

The result  
of good  
seed and  
proper  
tillage



Just a sample of the vegetables grown from Galloway Bros. & Company Pure Tested Seeds, sent us by one of our year to year customers.

Caruthersville, Mo.  
February 1, 1917.  
I got my garden seeds from  
you last year and they were fine.  
W. O. Rhoda.

Monticello, Arkansas.  
January 23, 1917.  
I had fine luck with the seeds  
I bought of you last year.  
J. S. McCoy.

Kenesaw, Nebraska.  
February 6, 1917.  
We tried your seeds last year  
and found them very satisfac-  
tory.  
Mrs. James J. Brady.

Mercer, Pa., May 11, 1917.  
I want to thank you very much  
for that sweet corn, and I can  
truly say your seeds have always  
proven good so far with me, and  
you have always done fair busi-  
ness with us. Thanking you again  
for your kindness.  
Mrs. C. L. Baker.



This is a general view of Mr. Hartman's garden. It gives an idea of how carefully he plans his garden work and how nicely it is laid out. It is just as easy to have a garden laid out so it is handy to work in as it is to have it any other way. Note the young fruit trees coming on, the bush fruits, and the vines in this small model garden.



Mr. Hartman is holding up a few of the leaves of some pole beans so you can see the immense size of them. You can do as well if you try.

## The Story of A City Man's Garden

**A**S a joy producer and care banisher the home garden has few equals. There is a thrill in every stroke of the hoe and the busy merchant, professional man or farmer will find that an hour or two of the early morning spent in the garden will fit him for the day's task. And that tired feeling which creeps upon one as the cares of the day accumulate vanishes in the quiet of evenfall among the growing plants. Here, close to nature, the mind relaxes and turns to the simpler things of life, and both mental and physical benefit is the reward.

The story of plant life from the seed to maturity is told in daily chapters, entrancing, as it unfolds itself! Fascination and interest increase as each new lesson is learned. Observant persons may gain knowledge not found in books.

The writer has been a gardener since childhood, engaging in this healthful and profitable pursuit when circumstances permitted. The garden in which the views accompanying this article were taken represented some of the results obtained through soil treatment, Galloway Bros. & Co. tested seeds and thorough cultivation. Fine as my gardens have been, they can be equalled and even bettered by anyone who is willing to bestow a proper amount of care and attention. Keep a record of your garden products showing variety, date of planting and maturity, results attained, weather conditions, etc., and this will prove an aid in future operations.

## Back Yard Will Supply Ordinary Family

Why complain of the high cost of living when with successive plantings the average back yard will supply an ordinary family table with ample vegetables during the summer season as well as a quantity to be stored for winter use? And no vegetable tastes quite as good as that fresh from the garden. This is not simply a matter of sentiment—evaporation begins the instant a root is pulled from the soil or a fruit is detached from the parent stalk and with it depart juices and flavor in quantity depending upon the character of the vegetable. Hence, if you would have the best, grow it yourself.

The economic waste represented in untilled city lots and back yards of many American cities is greatly to be deplored. One of the hopeful signs of the times is the effort being put forth by the extension departments of some of our colleges, schools, civic and commercial bodies to bring about an improvement in this condition.

JOHN C. HARTMAN.

Note.—Mr. Hartman is editor of the Waterloo Evening Courier and Reporter and finds health and recreation in planning, planting and cultivating the garden shown on this page.—Wm. Galloway.



Here are a few of the Porthouse Tomatoes grown in Mr. Hartman's garden. Read the story on this page.



The healthy young cabbage plants to the right would be a joy to any gardener. They make us want to grow better cabbages in 1918.

On the left you see how Mr. Hartman has worked in the onions with other vegetables. He believes in keeping something growing in the ground all the season. This makes the garden productive in dollars and cents.





Here is the market wagon of V. W. Foote & Company, whose splendid market gardens are located between Waterloo and Cedar Falls. He uses Galloway Bros. & Company Pure Tested seeds almost exclusively. A few loads of vegetables like this going to market builds up the bank account, and after all, this is what talks when it comes to market gardening.

## How to Grow a Prize Garden

**A PRIZE** garden can be raised upon any good garden soil which is fertile and free from weeds. A good plan is to fall plow or spade up the ground that you intend to use.

A prize garden is one that produces good fresh vegetables for the home during the summer and fall and for winter use. A little common sense in laying it out and in getting the seeds into the ground early will produce a good supply of roots; beets, carrots, parsnips, onions, etc., for use during the winter months. A good garden should also produce a lot of vegetables for canning, peas, beans, tomatoes, corn, etc.

A corner should be set off for a few pieplant roots. It should also have a small asparagus bed of five or six 40 ft. rows.

The idea should be to have no waste space. First early peas should be followed by a seeding of string beans. We recommend Thomas Laxton, or Alaska, for early peas. These can be sown immediately after the frost is out of the ground. Our Improved Golden Wax Bean is the best to follow these early peas.

You should get in a few rows of extra early potatoes.

Lettuce can be sown fairly early. A good leaf lettuce for early seeding is our Black Seed Simpson. A good head lettuce is our Pride of Iowa. See that the lettuce plants are properly thinned out; otherwise the leaves will become bitter and run to seed.

Crisp radishes can be had throughout the summer and early fall by successional plantings. We would suggest as the best early variety to sow our New Saxa, description of which you can read among our Star Quality specials. Two or three or even four varieties of radishes should also be in the same garden.

Beets are one of the finest root crops, splendid for greens, cooking whole, pickling and slicing. Try two or three varieties at least. Do not sow beets until the ground is nice and warm—say the last of April or early in May. Our Abundance beet is ideal for most any garden, being good deep color, medium size, with practically no core.

Every garden should have an assortment of carrots and other root crops for home use. If poultry or any kind of live stock is kept, it is a good idea to grow a few stock carrots, mangels, and sugar beets.

And remember cabbage! Have plenty of them, early, medium and late.

Plant as many rows of sweet corn as possible; two earlies, one or two kinds of main crop, and a good late variety—say Country Gentleman, because it is indispensable in every good garden.

Without fail grow all the tomatoes necessary for home use and for canning. A few hills of Dandy cucumbers should also be planted.

Muskermelons! By all means, a few hills of the bush variety, anyhow. If the season in your section is long, try a packet of Honey Dew seed. Descriptions of our melons elsewhere give particulars about season, growth, and habit of these melons, as well as the water melons we offer. No farm garden where water melons can be grown is complete without them.

The best onion for the home garden is unquestionably Southport White Globe, but if you like Red Wethersfield or any other variety plant them as well. A paragraph on Garden Kinks tells how to grow big onions.

Table beets, carrots and string beans as well as early peas can be sown successively during the summer. This means a productive garden. As soon as early crops are off a particular spot or space sow it to quick maturing peas, beets, beans, radishes or other quick maturing vegetables.

Of course you will find a vacant place in late summer to sow the turnips.

By planning your work ahead and selecting the varieties of seeds with care, with proper cultivation, you will be able to have the best garden in the neighborhood.



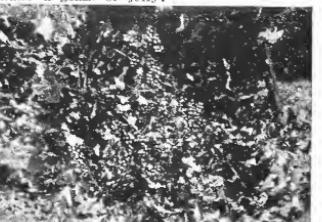
These splendid young grape vines have only been set out two or three seasons in the Hartman garden but they are yielding a fine profit.



Above you see the fine crop of peas and below the immense clusters of beans of the Kentucky Wax variety.



Mr. Hartman has not neglected small fruit. Look at these wonderful clusters of currants. A hand full would almost make a glass of jelly.



# Planting Kinks

## Suggestions from Practical Gardeners

### If You Have a Good Idea for Saving Labor or Making Bigger Garden Profits, Send It In

**A**N Iowa sweet pea grower says he attributes the growth and beauty of his sweet peas to early trench planting and lots of manure water applied every other night. A barrel half full of common stable manure, then filled with water and kept full of water as fast as it is dipped out for use in the sweet pea trench is the way he works it.

George Hall says that sifted coal ashes sprinkled over the tops of young tender garden plants will often save them from a frost.

Perfect table root crops, cabbages and onions can be grown by sowing seeds early in flats and transplanting into rows. It is far the most satisfactory. Thorough cultivation and dust mulching does the rest, if your soil is right.

Jim Galloway says the old-fashioned way is the best way to grow big onions. Here's how he does it: Sows the seed in shallow boxes early, transplants when they are 4 in. tall, cutting off half the tops and half of the roots. When properly cared for this makes prize onions.

Always keep a standard powder form worm and insect killer on hand to protect bush fruits, vine crops, cabbages, etc.

To raise lots of cucumbers and summer squash always keep the fruit picked, because if you don't and let it mature, the fruit will ripen and the vines quit bearing.

Early frost catches the slow gardener.

Plant all summer bulbs as soon as the ground is warm.

When planting a new strawberry bed make sure the drainage is perfect. Good drainage is also important for every flower bed.

If you did not manure the garden early and plow it under last fall, do it as early as possible in the spring. Use well rotted manure. Unrotted manure makes cultivation a disagreeable task.

Last year was a poor potato season most everywhere. A customer writes: "The one thing that paid the biggest dividends in my garden last year was the extra hoeing and cultivation I gave my potatoes. It mulched the ground and thus increased the moisture as well as destroying weeds. My vines were green and the tubers grew longer than the others that did not get this cultivation in the same garden."

If green moss or mould accumulates on top of your garden soil this is a sure sign of sourness. Air slackened lime or pulverized limestone is the only remedy. Rake it in after the spring plowing or spading. Three tons to the acre is not too much.

Surprise the neighbors! Put in peas, radishes, and a little sweet corn a week to ten days earlier than usual. Follow it up with the regular early plantings and successional plantings thereafter.

Either test in the soil all old seeds kept over or else throw them away. Don't depend on them.

This year especially, plan your garden in advance of planting. Order seeds early. Good seed stocks are scarce and many buyers will have to go without varieties they want unless they order early. European seed growers have not been able to send us seeds as formerly.

**CABBAGE WORMS**—Use a spray of  $\frac{1}{2}$  ounce of powdered Arsenate of Lead in 1 gallon of water; this before the heads form. After heads begin to form, dust with Hellebore powder. Dusting cabbage plants with wood ashes will also check the worm.

**FELEA BEETLE**—This troublesome pest can be kept away from cucumber, squash and other vines by scattering around the young plants, air-slaked lime, sprinkled with turpentine. Tobacco dust will also prove effective.

**GRASSHOPPERS, CUTWORMS, AND CATER-PILLARS**—Traps of poisoned bait will help rid the garden of these destructive pests. Mix 2 pounds of wheat bran with 1 ounce of Paris Green or Powdered Arsenate of Lead. After thoroughly mixing, moisten with sugar-water, and place near plants. Cutworms will eat it readily and die.

**STRAWBERRY SLUGS AND LEAF ROLLERS**—Spray the plants with Arsenate of Lead before blooming, or when the very first of the blossoms appear. Mix 1 pound of Powdered Arsenate of Lead with 50 gallons of water. Do not spray after the fruit has set.

**THIN TOMATO VINES**—Tomatoes that are growing too much to vine should be thinned out by taking out some of the side shoots. This will enable the plant to set more fruit; and diseases will be less troublesome, if the sun and air can keep the leaves dry.

**TOMATO ROT**—This disease first shows itself on the blossom end of the fruit when about half grown. Three or four applications of Bordeaux mixture should be made at intervals of two weeks, making the first application as soon as the fruit begins to set.

**TOMATO BLIGHT**—This is a disease quite common in the lower South. It produces a wilting of the plants, and is caused by bacteria—not fungi. No remedy for this disease is known. Tomatoes should not follow potatoes, melons, or tomatoes on the same land in case any wilting of any of these crops manifests itself.

**SQUASH BUG**—This insect sucks the plant juice, and is a very serious pest to squash growers. The young may be destroyed by the application of 10% kerosene or a tobacco decoction. The squash is a tender plant, and care should be exercised in the application. The adult bugs should be picked off and killed. A little careful attention at the right time will prevent damage.

**CHINCH BUG**—In former years this was a very injurious pest, but is not now so common. Can be destroyed by spraying with 10% kerosene.

### Getting the Most Out of Cold Frames and Hot Beds

**I**N our Northern latitude, it is advisable to start hotbeds about March 10th, and at intervals up to April 15th for the purpose of raising early vegetable plants. A warm sunny corner, sheltered at the back by a fence or wall, would be a good place for the hotbed. A simple way to make a hotbed is to dig a pit, 6 by 12 feet, to a depth of two feet. Secure some good fresh horse stable manure, fill the pit to a depth of about 18 inches, thoroughly packing down the manure, and covering same with 3 to 4 inches of good black loam. This will make an ideal seed bed. The front or south side of the hotbed should be 6 to 8 inches lower than the back to allow the sash to slope so the plants get the full benefit of

the sunshine. This hotbed would be fine for your cabbage, cauliflower, peppers, egg plants, tomatoes, or any other early seeds that you wish to grow. Second-hand window sash is often used to cover hotbeds, and is quite as good as more expensive coverings. It is advisable, in the event of extremely cold nights, to cover the hotbed with paper or old sackings. This will help to hold the heat in the hotbed. Amateurs will find that early vegetables, raised by the aid of the hotbed, will give them much better satisfaction. By the aid of a hotbed, you can get your plants so far advanced that rotation cropping is made much easier. By this method it is often possible to get two crops in one season.

Below is an outfit of hot beds that make this grower first on the market with his specialties: Tomatoes, Cabbages, Peppers, Cauliflower, Egg Plant, etc.



## Potato Diseases

**T**HE potato is affected by the early and late BLIGHT. The early appears during hot and dry weather, and causes premature dropping of the foliage, but is not attended by rotting of the tubers. The first application may be made when the vines are one-third grown or earlier; repeat the dose in about two weeks. The late blight usually appears in August, and spreads very rapidly during warm, moist weather. Its attacks are sudden and destructive, and are usually accompanied by rotting of the tubers. Both these diseases may be prevented by thorough spraying with Bordeaux Mixture, making the first spraying about the middle of July with the late crop. The number of sprayings will depend on the weather: 3 to 5 times.

**POTATO BUGS**—Spray with almost any of the arsenical poisons. Arsenate of Lead has been found best by the Maine Experiment Station. The application should be made as soon as the beetles appear, in order to kill off the first brood; and it must be repeated as often during the season as is necessary to keep the pest in check.

**CUCUMBER BEETLE**—There are two species of this beetle, the striped and the spotted. The striped beetle has a yellow body with black stripes, while the spotted has black spots instead of stripes. They work very much the same and often together by eating the leaves and stems, and soon kill the tender plants. Spray with arsenate of lead.

**CUCUMBER MILDEW**—A fungus affection causing the leaves to turn yellow or brown in spots. Spray with Bordeaux Mixture 3 or 4 times at intervals of two weeks; making the first application when the vines are nearly half grown.

**POISONED BAIT FOR CUTWORMS**—When cutworms are abundant the use of poisoned bait is recommended by W. R. Walton and J. J. Davis of the U. S. Department of Agriculture. The poisoned bait may be prepared by mixing 50 pounds of wheat bran, 2 pounds of Paris Green, and 6 finely chopped oranges or lemons. Low-grade molasses is added until the whole mixture attains the consistency of a

stiff dough. Water also may be added if necessary, and middlings or alfalfa meal may be substituted for the bran. This bait should be distributed over the infested area in small lumps, and sprinkled sparingly around each plant.

**SQUASH BORER**—It is a good plan to bury the runners of squash vines at frequent intervals as they grow. This will foil the squash vine borers, which can be combated in only one other way; which is to cut them out, the slow process. When the vines are covered at the joints, new roots are made and growth continues in spite of the borers. If the squash vines are found to be wilted, the presence of borers may be suspected. The vegetable marrow is never bothered by borers.

**MILDEW ON ROSE TREES**—Dissolve 1 tablespoonful of the crystals of Permanganate of Potash in 2 gallons of water, and use it as a spray. It is almost immediately effective. Plants that were so badly infected that they looked entirely white and moulded, being effectively cleared of the pest in two days. It is sometimes necessary to make two applications where the first job is not done thoroughly.

We have never tried it on the roses inside, but feel sure that what gives such good results in the open, cannot be but helpful in the greenhouse. It does not burn the foliage at all, even where used much stronger than the above directions.

## Formulas for Spraying Mixtures

### BORDEAUX MIXTURE

Copper Sulphate, 6 pounds; Quicklime, 4 pounds; Water, 40 gallons.

Dissolve the Copper Sulphate by putting it in a bag of coarse cloth and hanging this in a vessel holding at least 4 gallons, so that it is just covered by the water. Use an earthen or wooden vessel. Shake the lime in an equal amount of water. Then mix the two, and add enough water to make 40 gallons. It is then ready for immediate use. For rots, moulds, mildews and all fungus diseases.

### AMMONIACA COPPER CARBONATE

Copper Carbonate 1 ounce; Ammonia enough to dissolve the copper; Water, 9 gallons.

The Copper Carbonate is best dissolved in large bottles, where it will keep indefinitely; and it should be diluted with water as required. For same purpose as Bordeaux Mixture.

### PARIS GREEN

Paris Green, 1 pound; Water, 250 gallons.

If this mixture is to be used upon Peach trees, 1 pound of Quicklime should be added. Repeated applications will injure most foliage unless lime is added. Paris Green and Bordeaux can be applied together with perfect safety. The action of neither is weakened, and the Paris Green loses all caustic properties. For insects which chew.

### LONDON PURPLE

This is used in the same proportion as Paris Green; but as it is more caustic, it should be applied with lime, or with Bordeaux Mixture. Do not use it on Peach or Plum trees. For insects which chew.

### HELLOBORE

Fresh White Hellebore, 1 ounce; Water, 3 gallons.

Apply when thoroughly mixed. For insects which chew.

### KEROSENE EMULSION

Hard Soap,  $\frac{1}{2}$  pound; Boiling water, 1 gallon; Kerosene, 2 gallons.

Dissolve the soap in the water, add the kerosene, and churn with a pump for 5 to 10 minutes. Dilute 10 to 15 times before applying. For insects which suck, cabbage worms and all insects which have soft bodies.

The back yard garden may be made very profitable if successful planting is practiced and clean cultivation follows. Use every foot of soil. This is the garden of one of our customers.

### COPPER SULPHATE SOLUTION

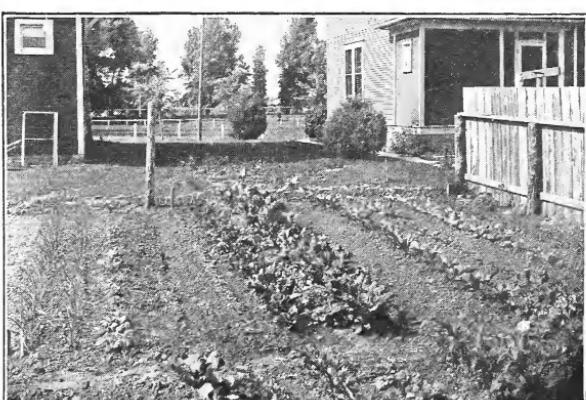
Copper Sulphate, 1 pound; Water, 15 gallons. Dissolve the copper sulphate in water; it is then ready for use. This should never be applied to foliage, but must be used before the buds break. For Peaches and Nectarines, use 25 gallons of water. For fungus diseases.

**NITRATE OF SODA**—This material comes in crystallized form, not unlike that of rock salt. It will dissolve in water, and a teaspoonful is sufficient for two gallons of water. It is a very concentrated fertilizer and must be used cautiously for forcing growth of cabbage, cauliflower, Brussels Sprouts, etc., that are late.

**LIME RATIOS**—For correcting soil acidity, one ton of burnt lime is practically equal to  $1\frac{1}{2}$  tons slaked lime, or 2 tons ground limestone.

**CABBAGE APHIS** (Green Lice)—Same treatment as for Aphis on squash, melons, cucumbers, etc.; or a spraying with kerosene emulsion is death to this insect.

**APHIS ON SQUASH, CUCUMBER, MELON, etc.**—Use soap suds, into which mix a 40% nicotine solution, at the rate of 1 ounce to every 6 or 7 gallons of suds. Spray under the leaves; the vine can be turned for the convenience of spraying under leaves without fear of injury.



# Our Responsibility as Seedsmen

## These Letters Show How We Stand At Home

It requires a long time to build up a big seed business. Folks here at home, as well as seedsmen we know in other places, say that we have built up a remarkable business in pure tested seeds.

If there is any reason for our having been successful, it is because we have steadfastly adhered to the policy of sending our customers the best seeds possible to grow on our seed farms in Canada and here in the corn belt or import from the leading French, English and Dutch growers.

We have shipped our customers and patrons nothing but the kind of seeds that we would like to have received if we had been the buyers and they the sellers.

Years ago when we sold nothing but pedigreed Regenerated Swedish Select seed cats we found there was a big demand

for all kinds of field, farm and garden seeds that were pure, unadulterated, fresh and tested in soil before they were sent out.

We are responsible as seedsmen to every one of the hundreds of thousands of people who have dealt with us and are now on our customers' lists, in that we have felt and still feel obligated to send them nothing but the best possible seeds to procure.

We have always felt that good seeds—pure seeds—seeds that would grow and produce abundant crops, if given a fair chance, were the only kind of seeds that we could afford to send out.

The thousands of testimonials now in our files lead us to believe that we have succeeded in a large measure in living up to the aims we had when we started the Galloway Bros. & Company pure seed business a few years since.

We have guaranteed: first, safe delivery, whether sent by mail, express or freight, all seeds ordered by our customers; second, that if you are not thoroughly satisfied with the seeds when you get them, after inspecting them and testing them for germination and purity, you can return them and receive your money back without quibble or question.

It is our policy to give all we can in the way of quality and service rather than to get all we could from our customers.

## Why It Pays to Grow and Sell The Best

Did you ever notice that very few folks make a reputation in this world based on low price?

Hasn't it always occurred to you that the best reputations have been built upon quality?

This is the reason that we say it pays to grow and sell the best in seeds just the same as it does in live stock breeding, merchandising or manufacturing.

Our business would not have grown year after year if we had made a feature of cheap seeds at a low price—sending our customers seeds that were part filler, and part hulls and of low germination.

We have built up a bigger business by sending out only pure seeds, although we may in some instances have been forced to ask more than some competitors.

It has paid us to handle only the best just the same as it has paid you every time to have bought the best.



TO WHOM IT MAY CONCERN:

It gives me pleasure to attest the ability of Galloway Brothers of Waterloo, Iowa, as seed specialists. They were born and raised upon the farm and accordingly are very familiar with the needs of the general farmer.

'They have a large seed farm at Lajord, Sask., as well as at Waterloo.

They are thorough and painstaking in their work of untiring energy and of unquestioned integrity, which accounts for their phenomenal success as seed specialists.

They are valued customers of this bank with financial responsibility and are doing commendable work in the distribution of seeds.

Very truly yours,  
F.W. Parmer  
President.

President.

Independent School District  
of Waterloo  
SUPERINTENDENT'S OFFICE

J. S. Baillie, Superintendent

WATERLOO, IOWA  
S. F. SWINSON, PRESIDENT  
J. E. O'BRIEN, SECRETARY  
F. C. STEWART, Treasurer

Waterloo, Iowa, Nov. 21, 1917.

To Whom It May Concern:

As a user of the Galloway Bros. & Company seeds, I wish to state that I have found their seeds all that they claim for them. They have proven pure and fresh and given good results in our schools and in my own personal garden. The children of all our schools, amounting to several thousand, have used these seeds with good results under many varied conditions.

Galloway Bros. & Company are doing a good work, and I believe they are sincere in their efforts to really give the public better seeds.

Yours respectfully,

A.J. Hurdell

ATH-MED

February 8, 1917.

I want to order my seeds early. I always order my garden seed of you, as they are good fresh seed that grows.

Mr. John E. Montgomery,  
Holton, Ind.

The Improved Soil Inoculator, Nobbe-Hiltner Process

# NITRAGIN

TRADE MARK REGD. U. S. PAT. OFF. REG. NO. 321

**Restores and Maintains Soil Fertility**

More farmers and gardeners than ever before will use "NITRAGIN" this year! They know it is the right seed inoculator. It will bring them better and bigger crops of alfalfa, clovers, cowpeas, soybeans, field and garden peas, sweet peas, etc. It will leave a better and richer soil. Don't be the last to join the smiling users of "NITRAGIN." Try it on your 1918 legume seed and have bigger, heavier crops than ever before.

## Don't Throw Away Money and Seed When Planting Legume Crops

**D**ON'T throw away your money. You waste good money if you put in clover seed, alfalfa seed or any other legume without "Nitragin" inoculation: Listen! Many farmers and planters wonder why they can't get a clover "catch." They try year after year, spend all kinds of money for expensive seed, keep on trying, and keep on wondering, when as a matter of fact "Nitragin" would have solved their problem and given them the desired "catch," and saved them hundreds of dollars, not only by saving their seed, but by bringing them a big crop and the fertility for the crops that follow.

**Warning:** Remember while inoculation is necessary, yet if your soil is sour the bacteria will not do what it should, and we advise and recommend sweetening it with lime. You can very easily find out whether your soil is sour or sweet by getting a small piece of litmus paper and making what is known as the acid test. Here is how to do it:

Go to a drug store and get three or four pieces of litmus paper. In the field you want to test, dig down to the moist soil and bury a piece of litmus paper in it. Do this in several places in the field. After about five hours dig up the litmus paper. If it has turned red or pinkish you will know the soil is sour and should be limed.

From one to three tons of powdered limestone, which can be secured from any limestone quarry or road material concern, will be needed to the acre. If you can secure air-slaked lime this will do to sweeten the soil. Harrow the lime in, in newly plowed ground, after spreading it in a low broad caster. A quiet day should be selected.

### "NITRAGIN" is Reliable

**Y**OU do not have to be in doubt about "NITRAGIN." It is the original culture for legume bacteria. Nobbe and Hiltner were the first to get these bacteria in pure form. They improved the bacteria from the roots, made them strong and finally put them up in such a commercial way that they remained healthy. That is "NITRAGIN" — strong, legume bacteria to improve your farm. Farmers and growers use it regularly with their seed; State Experiment Stations recommend it.

We have many letters like this:

Cut my alfalfa yesterday and put it in the barn today without rain. Some said it would not grow here but this is the second crop and it is looking fine. I used the "NITRAGIN" and I am fixing more ground to put in alfalfa.

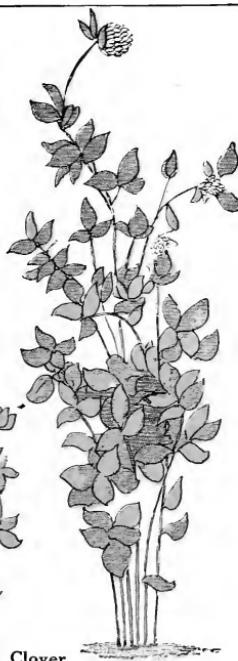
R. B. MARR,  
Filley, Mo.

### Prices

When ordering always state seed it is wanted for.

Garden size (For Peas, Beans & Sweet Peas).	Shipping weight, 4 ozs....	\$0.30
1/2 acre size.	Shipping weight, 4 ozs....	.50
1 acre size.	Shipping weight, 8 ozs....	1.00
2 acre size.	Shipping weight, 1 lb....	1.80
5 acre size.	Shipping weight, 2 1/2 lbs....	4.00
10 acre size.	Shipping weight, 5 lbs....	7.50

Postage or express extra.  
ASK FOR BOOKLETS ON LEGUMES.



Not Inoculated      Inoculated

This is only too true an illustration. The not inoculated plant shows a weak sickly stand. The inoculated shows vigor and stability. Lack of inoculation has cost the farmers of America millions of dollars when they thought it was the lack of moisture or something else.





**N**OTHING adds more to the beauty of a home or in every way adds to the general appearance of a premises than a well made and a well kept lawn. A lawn is the foreground as well as the background in the landscape picture of which the home forms the central part. The larger and more spacious the lawn, the more pleasing it and the dwelling are to the eye.

If you do not have a perfect lawn, or have not succeeded so far, read the following short article; then try again, using pure seed. If directions are followed, success is almost certain.

## How to Secure a Perfect Lawn

**F**IRST manure and spade or plow deeply and thoroughly. Harrow and re-harrow or rake the ground and make it even and firm before sowing the seeds. If the seed is sown after a lawn, or the ground, has become settled, roughen the surface with a rake before sowing. Sow broadcast and choose a calm day for the work so that the seed, which is very light, may lie evenly over the whole surface.

Then rake the seed in out of sight of the birds. All foot prints must be obliterated. The quantity necessary is about 80 lbs. to the acre or one pound to 350 square feet. This quantity will produce a fine, thick, velvety sward in a short time. If weather proves dry, the ground must be watered evenings both before and after the seeds germinate.

The young lawn should be rolled with a heavy hand roller two or three times before using the lawn mower. This makes it come up very thick. Any weeds should be eradicated. Use the lawn mower as soon as necessary. If any bare places appear these spots should be lightly stirred with a hoe or rake and sown with more seed. Leave the young grass tops on the lawn as shelter from the sun.

Cut every ten days or so, and if possible, roll immediately after cutting. Great attention should be paid to regular mowing and rolling, as upon them success greatly depends, and coarser grasses, if any, cannot possibly flourish and will be killed. Frequent rollings, especially in moist weather will keep the soil compact and the surface even. An occasional dressing through the first year with Lawn Life, the great lawn fertilizer, will be of great benefit.

## Shady Nook Lawn Grass Seed

**763**

**The Ideal All-Purpose Mixture—Thrives Everywhere**

**I**f you have failed to establish a lawn under your trees a few pounds of our Shady Nook Lawn Grass Mixture is just what you need in order to raise a patch of fine, close, compact velvety grass under such conditions. Shady Nook is also the best all round lawn grass mixture we have ever put out, for it thrives everywhere.

Ground that has been continuously shaded often becomes sour and it is necessary before sowing grass seed to give it an application of air slaked lime. Apply air slaked lime at the rate of 25 to 30 lbs. for 500 square feet. Thoroughly stir the surface of the soil before applying the lime; then mix in lime and sow the grass seed as outlined above.

Quantity of grass seed required for new lawns is one pound for each 350 square feet. Shady Nook Lawn Grass Seed Mixture, price per lb. 40c; 4 lbs. \$1.50, postpaid. By freight or express, 10 lbs. \$3.50; 20 lbs. \$6.75.

# More Suggestions

About Lawns and  
Lawn-Making

**T**HE ground should be thoroughly drained, and if not naturally rich, fertilizer or manure should be added and thoroughly plowed under or mixed in before sowing.

Galloway's Lawn Life is one of the best lawn fertilizers for this purpose. From 400 to 500 lbs. per acre is usually sufficient. For small lawn plots, about 25 lbs. to every 400 square feet will be enough.

When seeding new lawns work the soil up thoroughly until it is perfectly pulverized leaving the surface smooth and graded up to the point you desire. It is necessary that the top soil be alike in quality so the lawn will be even in its growth.

If the first growth of grass is rolled down with a heavy hand roller it will come up much thicker than if cut and left to grow. Two blades will come up to every one rolled in. Don't be afraid of the roller.

Seeding is best done in the spring or fall. If done during the summer careful and proper watering will bring success.

Old lawns can be greatly improved and renewed if lightly top dressed with well rotted stable manure, or Galloway Lawn Life; then gone over lightly with about enough good rich clean soil to half cover the ground, into which you can work our Shady Nook or Royal Parks mixture with splendid success.

## White Dutch Clover

### 762—Galloway's Extra Special Selected Seed

**O**UR quality of White Dutch Clover seed is used largely with grass seed for lawns. It spreads very rapidly and acts as a binder. It is very hardy and is of great value in permanent pastures, as it affords a nutritious forage for sheep, cattle and swine. Everyone who keeps bees should have a patch of White Dutch Clover, the blossoms of which the bees will work in as long as there is any bloom. Price large pkt. 10c; 1 lb. 60c; postpaid.

***Do not overlook "Nitragin" when Growing Clover.  
This inoculator insures a perfect stand.***

## Royal Parks Lawn Mixture

### 760 A Perfect Mixture of Dwarf Growing Evergreen Grasses.

**O**UR Royal Parks Lawn Grass Seed Mixture is the same as is sown on the Royal Parks of Europe. It produces the most beautiful lawns. Mr. Hall, our seed expert, has compounded this Royal Parks Mixture for us for years, and the lawns it produces are admired and envied everywhere. Royal Parks is ready to mow and roll four weeks from sowing. Price per lb. 35c; 4 lbs. \$1.35; postpaid. By freight or express, 10 lbs. \$3.00; 20 lbs. (1 bushel) \$5.50.

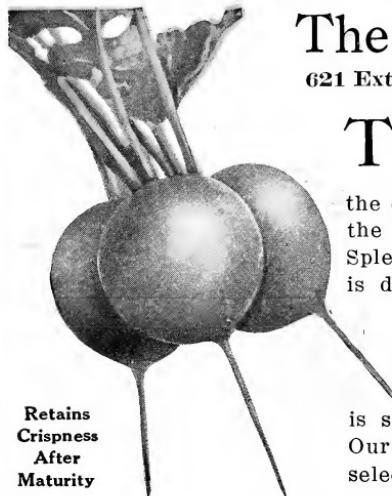
## Special Wear Well Mixture

### 761 For the Hardest Wear.

**T**HIS is the ideal seed to sow down for golf course, putting green, tennis court, bowling green, croquet and football grounds. Galloway's Special Wear Well Mixture will prove ideal wherever heavy wear is demanded of any turf, if given good care. It produces a tough, strong turf, which can only be killed out by drought in golf course, tennis court, croquet and other sporting grounds. It is especially valuable for park use where visitors walk over the greensward. Price per lb. 30c; 4 lbs. \$1.10, postpaid. By freight or express, 10 lbs. \$2.50, 20 lbs. \$4.75.



White Dutch Clover



Retains  
Crispness  
After  
Maturity

## The New Saxa Radish

621 Extra Early—Short Top—Crisp and Sweet.

**T**HE new Saxa Radish we believe to be the very best short top scarlet globe radish offered to gardeners today. It has all the desirable qualities to recommend it to both the home gardener and the market gardener. Splendid color, the flesh is perfectly white, and is delightfully crisp and palatable. The new

Saxa retains its crispness long after maturity, making it a splendid radish for the early market. It can be successfully grown under glass or in the open, and is sure to become a favorite wherever tried. Our seed has been saved from transplanted and selected roots by our Michigan growers.

### Matures in 17 to 20 Days

**I**T matures as quickly as the rapid growing button and oliveshaped seventeen to twenty day radishes, although some growers report it matures in a shorter time than this. No matter what other radishes you plant this spring, no matter what your favorite radish is, include a packet of the new Saxa radish in your order, and test it for yourself. You will see that we have not spoken too highly of it. Its firm white flesh is mildly pungent in flavor. To try it is to like it. **Price large pkt. 10c; 1 oz. 25c; ¼ lb. 75c; ½ lb. \$1.40; 1 lb. \$2.50, postpaid.**

## Howling Mob Sweet Corn

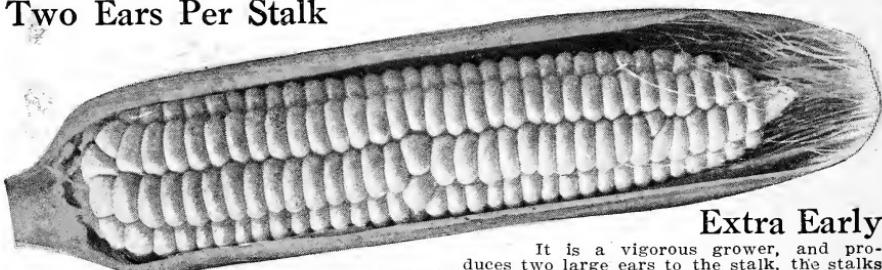
**374 Gets Its Name Because of the Demand for It on the (Toledo) Market Near Which It Was Originated.**

**T**HIS splendid new corn has attracted much attention and is greatly in demand wherever it is offered on the market. This variety originated at Toledo, Ohio, and was first put on the market there, and its queer but appropriate name has reference to the loud and clamorous demand for the corn by those who learned what it was and where they could get it.

### The Longest Eared Extra Early Sweet Corn

**I**T is the longest eared, extra early sweet corn in existence; grains are a beautiful pearly white, and exceptionally sweet—just the kind of sweet corn to plant in the home garden. It is also a good market variety on account of its handsome appearance. It is the ideal sweet corn for producing large ears early in the season at the same time maintaining the splendid table qualities of late varieties.

### Two Ears Per Stalk



#### Extra Early

It is a vigorous grower, and produces two large ears to the stalk, the stalks averaging about 5 ft. in height, and the ears run about 8 inches in length and have 12 to 14 rows of good sized grains. Plenty of husk covers the top and affords ample protection from worms which attack most early sweet corn. **Price large pkt. 15c; pt. 45c; qt. 85c, postpaid.**

# Copenhagen Market

## The Earliest Summer Cabbage

**301**

**A**B S OLUTELY the earliest and the very best round-headed summer cabbage grown. When sown in March, the heads are ready for cutting in July—only three to four days later than the Early Wakefields. The plants are short-stemmed of compact stocky growth and the rather small and tightly folded outer leaves enclose a large, solid, ball-shaped head of the finest quality, smooth with fine veins and small core, and averaging 8 to 10 lbs. in weight. Can be planted close, about 20 inches apart, and will yield a greater crop per acre than many other cabbages. In uniformity of type it is marvelous. Its evenness in maturing is one of the greatest importance to market gardeners, entailing less labor in harvesting the crop and allowing them to clear the ground at one cutting. Price large pkt. 10c; 1 oz. 35c;  $\frac{1}{4}$  lb. \$1.20;  $\frac{1}{2}$  lb. \$2.35; 1 lb. \$4.50, postpaid.



**Earliest and Best Round-Headed Cabbage**

## Early Fortune Cucumber

**388 An Improvement on the Older Varieties—Include It in Your 1918 Order**

**W**E want every customer to plant a few hills of this fine cucumber. Being head and shoulders above many of the old varieties, we know they will be pleased, both by the quality and productiveness, either as a pickler or slicer. Read what raisers say about it:

"This splendid new cucumber was discovered by us on our seed farm occurring as a sport in a field of a later variety. It immediately attracted attention on account of the uniformity of its fruit, its rich dark green color, its earliness and distinctiveness from any other known sort."

"A rigid selection was made over a number of years, until it now grows with such uniformity that each fruit in a large planting will scarcely differ from its neighbor."

"The vine is exceedingly productive and distinguished by its vigorous growth, having leaves which are but a little larger than ordinary varieties, with a thick leaf texture which renders it less susceptible to plant diseases. For season it will compare favorably with any variety of White Spine, while in other characteristics it surpasses them all."

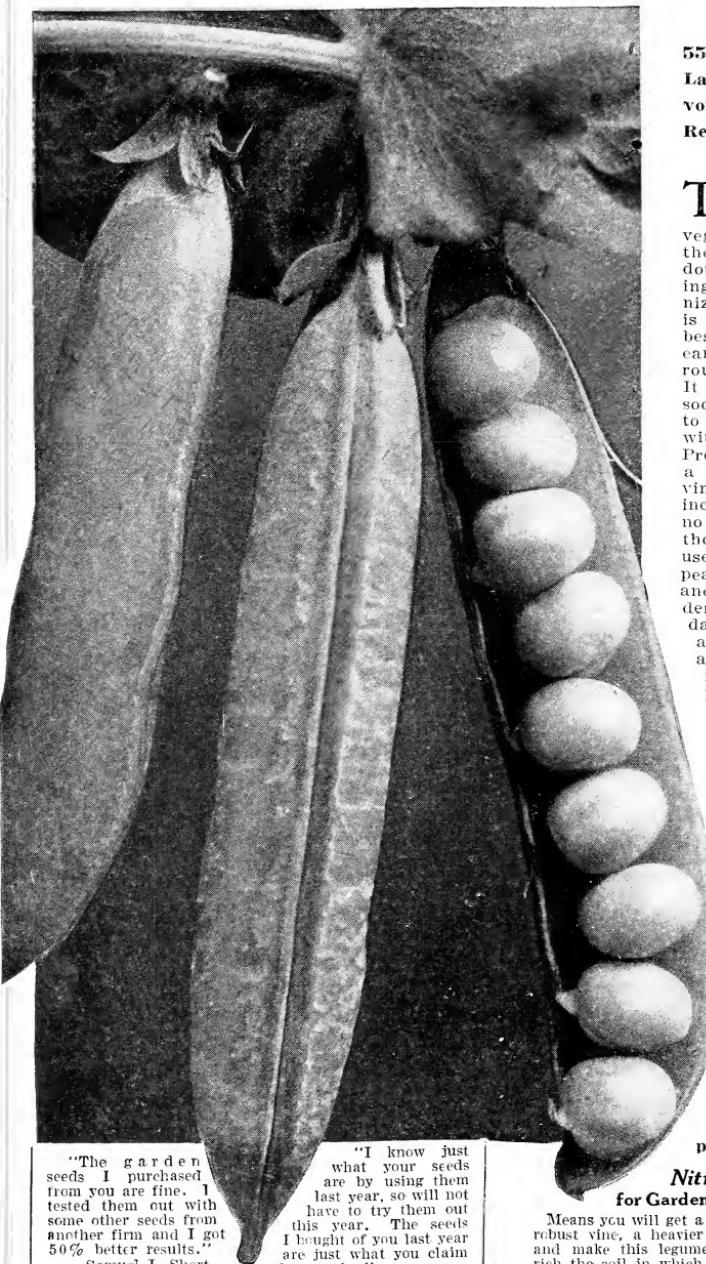
"The fruits when matured to the slicing stage are uniformly 7 $\frac{1}{2}$  to 8 in. in length, slightly tapering toward each end, and in outline an almost perfect circle, showing none of the depressions so characteristic of other types."



**Early Fortune Cucumber**

"Positively is not bitter in flavor. A cross section will show a very thick flesh which is firm, yet crisp, with an exceedingly small seed cavity. In color, a very rich dark green (as dark as Davis' Perfect or Klondyke) and this color does not fade to a light washy green, as do so many varieties when shipped a long distance." The Early Fortune is the best market and shipping cucumber, a splendid pickler, pickling sizes showing wonderful uniformity. Price large pkt. 15c; 1 oz., 30c, postpaid.

## Prosperity or Gradus Garden Pea



"The garden seeds I purchased from you are fine. I tested them out with some other seeds from another firm and I got 50% better results."

Samuel J. Short,  
360 Parkdale Ave.,  
Buffalo, N. Y.

"I received the seeds last night. Please accept thanks for your promptness in sending them, and I also thank you for the present of seeds. I have sent to you for three years for seeds, and they have all grown that we planted. They are very nice seeds, and I recommend your company to everyone."

Mrs. L. L. Hamlin, Brooks, Maine, Route 3.

"I know just what your seeds are by using them last year, so will not have to try them out this year. The seeds I bought of you last year are just what you claim them to be."

William Jefferson,  
New Haven, Conn.

**550 The Earliest, Largest, Highly Flavored Wrinkled Pea—Ready to Serve in June.**

THIS remarkable pea has produced a sensation in the vegetable world, and there is no longer any doubt about its standing. It is now recognized as a leader. It is not only large and of best quality, but it is as early as the small, round, extra early sorts. It may be planted as soon as the ground is fit to work in spring along with the smooth peas. Prosperity or Gradus is a wrinkled pea, with vine growing 18 to 30 inches high. It requires no sticks or brush, though sticks may be used if preferred. The peas are freely borne, and remain in good order for a number of days. The pods are of a bright green color, and measure five inches or more in length, being as large as Telephone, and equally well filled with luscious peas—8 to 10 or more in a pod. The peas themselves are of a high class table quality and retain their color and attractive appearance after cooking. The pods are round and plump. On a light sandy soil it attains a growth of only 15 to 18 inches, while on a rich, heavy loam, it reaches 30 inches. It is entirely adapted to the purposes of the market gardener, requiring only good field treatment. Price large pkt. 15c; pt. 45c; qt. 80c, post-paid.

### Nitragin for Garden Peas

Means you will get a more robust vine, a heavier crop and make this legume enrich the soil in which it is used. Once tried on garden peas and beans you will always use it. It pays for itself ten times over. It is not an expense, but a necessary investment for the best results. Include "Nitragin" with every order of peas, beans or other legumes (legumes are plants which bear their sets in pods, they all take nitrogen from the air and deposit it in the soil, thus storing away plant food). Price, garden size, for all varieties garden peas, 30c.





## Imported Danish Perfection Cauliflower

**263 Dwarf Erfurt Type**

OUR earliest and best cauliflower. It is the result of many years' efforts to breed a very early variety of cauliflower of the dwarf Erfurt type. It is about ten days earlier than our Dwarf Erfurt and Snowball. The plants are grown quite low with small leaves and the medium size heads are pure white, stone hard, and of the finest quality. It is true to type, its evenness in maturing being its great recommendation to market gardeners, as they will be able to clear off the ground at one cutting.

The Danish Perfection Cauliflower is a favorite in every private garden where tried. No garden should be without it. Buy this seed early. Price large pkt. 20c;  $\frac{1}{4}$  oz. 70c; 1 oz. \$2.50, postpaid.

## Honey Dew Muskmelon

**462 The Sweetest and Finest Flavored of All**

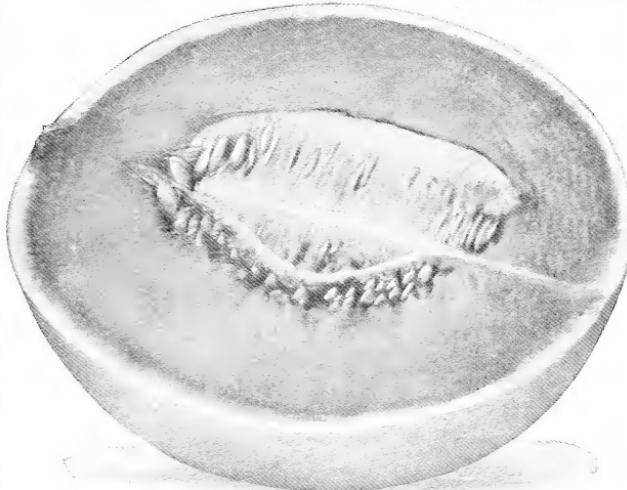
THE sensation of the melon world. This green-fleshed melon is unlike any other variety ever originated. It is supreme among melons of its size for flavor, meatiness, keeping qualities, and its ability to capture the late small melon market. Should be started early, transplanted after danger of frost, and thoroughly cultivated. Requires longer time for maturity than the average muskmelon.

The rind of the Honey Dew when matured is a greenish yellow without netting of any form. It is almost round in shape though longer than it is deep and is from eight to ten inches in diameter. Its green flesh is thick and sweet, of a peculiar pleasing flavor, and very juicy—from which peculiarities this melon gets its name. The flavor of this melon is best when it is well ripened. When it drops from the vine, store it away in a cool place for about a week before serving. The surface of the rind is sometimes dotted with little roughnesses, but very thin, tough and firm, and hard to scratch or bruise, which accounts for its wonderful keeping qualities. Price large pkt. 15c; 2 pkts. 25c; 1 oz. 40c, postpaid.

Casey, Iowa,  
February 1, 1917.

"Say, those Giant Montreal Muskmelons were just great. I never raised a large melon that sold like the Montreal. The Banana Cantaloupes were winners amongst my customers until the Osage came on, and then they all took off their hats to me. I never saw anything like the Osage. Great melons. Great flavor, and the best seller I ever raised."

Milen E. Spain.



## French Imported Golden Self-Blanching Celery ★

397 Our Customers Get French Imported Seed Only In Ordering This Self-Blanching Celery



**T**HIS celery originated in France and has become the leading variety in America for all purposes. The quality is the very best, solid, tender, crisp, with a soft golden yellow color. The flavor is delicious, crisp and nutty. In habit it is dwarf, stocky, uniform in height and very compact; entirely free from stringiness. We handle only the French grown seed raised by one of the best known celery seed growers. We honestly believe there is no better stock anywhere and that under ordinary circumstances the seed will give every grower perfect satisfaction.

The small illustration below shows the celery field of V. W. Foot, one of Iowa's best known market gardeners who has secured this celery seed for years from our stocks. One inspection of this photo will convince you that he is a satisfied user of Galloway Bros. & Company Star Quality celery seed. **Price of French Imported Golden Self-Blanching Celery seed, large pkt. 10c; 1 oz. \$1;  $\frac{1}{4}$  lb. \$4; postpaid.**

I bought seeds from you last year and they were the best I ever planted. Therefore, I expect to order from you again.

Mr. Paul M. Lehman, Berwyn, Maryland.

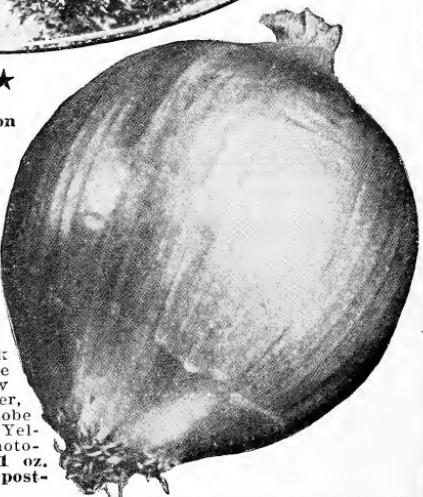


## Ideal Yellow Globe Onion ★

490—Best Combination Home And Market Onion

**I**n offering the Ideal Yellow Globe Onion to our customers we believe it the best onion for market and home use ever offered to planters and gardeners. When the originators persuaded us to inspect these onions, we at once decided to secure as much seed as possible, as we were confident our customers would be more than pleased with it because it possessed all the good points necessary to make it an ideal onion; good size, good shipper, excellent keeper, and has perfect flavor. The originator and grower says of this onion:

"A selection from Southport Yellow Globe grown and improved by a gardener since 1887, who has made selections each year for thick skins and uniformity in shape. This onion is the most uniform in shape of any of the Yellow Globe varieties; a good cropper, a splendid keeper, and is as its name implies, an Ideal Yellow Globe Onion. We consider it the best thing in the Yellow Globe variety we have ever seen, and the photograph shows the type." Price large pkt. 20c; 1 oz. 60c;  $\frac{1}{4}$  lb. \$2.00;  $\frac{1}{2}$  lb. \$3.85; 1 lb. \$7.50, postpaid.



## Dairyman's Pride Mangel Wurzel

**22 Sweet — Yellow Fleshed — Long Keeping — Heavy Yielding—Milk Producing**

We sell many thousands of pounds of Mangel Wurzel seed every year and our customers are all delighted with the produce of same. Some of our customers write us that they have made yields as high as 70 tons to the acre. We have known cases where 100 and even as high as 110 tons of Mangel Wurzels were raised on one acre. Every dairy farmer should raise at least one or two acres of this fine milk and flesh producing feed. All kinds of stock relish and thrive on it. Can be fed without the slightest risk. They should be chopped up and fed as a part ration. Mangel Wurzels are always best after they have been given sufficient time to ripen. This is usually two or three weeks after gathering. The ripening process for the most part consists in a change of starch into sugar and makes the Mangels both more healthful and more nutritious.

It has size, productivity, quality. It produces beautifully uniform roots of a rich golden color. The flesh is a nice pale yellow and sweet. We feel confident that this exceptionally fine Mangel will be greatly in demand by dairymen all over the United States. Price per lb. \$1.00 postpaid; 6 lbs. (sufficient for one acre) \$5.50 by express or freight.

October 24, 1917

Just a line to praise your seed, which I bought of you this spring. The Sweet Potato Squash is the finest I ever saw; and all the other seed, such as corn and other seed; they all proved to be the best I have used yet.

W. A. Howe,  
St. Johnsburg, New York.



## Galloway's New Sweet Potato Squash

**23 Delicious Novelty Squash, Long Keeper**

THE smallest but most delicious squash. We wish we could persuade every one of our customers to purchase a packet of this wonderful new squash, because we know that every one that grows it will be just delighted with it. It will be the gem of the garden during the 1918 growing season.

This little squash grows about 6 and 8 inches long, and is about 6 inches around. The plants are inclined to be bushy rather than trailing, and bear quite a large number of fruits, which are distinctly ornamental owing to the variety of coloring of the skin which is rich yellow, prettily marked with deep and pale green. The flesh is unlike that of any other squash, being decidedly superior in every way.

It has the flavor of the sweet potato, but is a little sweeter and has a golden colored flesh. The seed cavity is unusually small, so there is practically no waste. One advantage about this little squash is the fact that it meets the requirements of families of all sizes. With the old type of squash there is usually quite a lot of waste, due to the fact that the fruits are too large for the family consumption at one time.

Our Long Keeper Sweet Potato Squash can be made to meet the requirements of any size family, without an ounce of waste, by simply using just the number of fruits needed; usually one of our squash will be found sufficient for two persons.

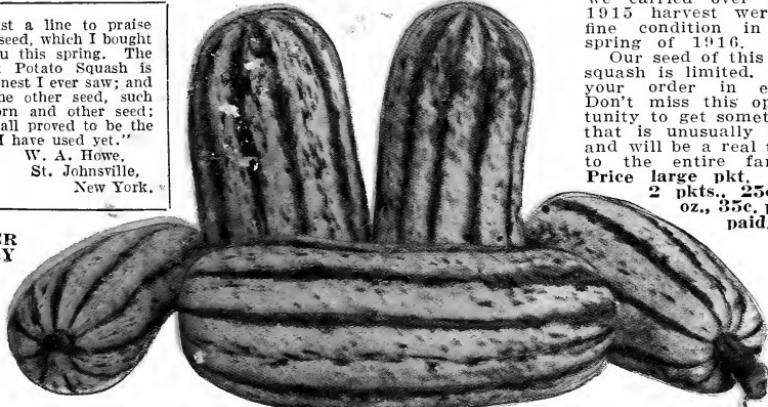
We feel real pride in being able to offer this novelty to our customers, because it has real merit and will give satisfaction everywhere. It is weeks earlier than any other squash, and can be harvested long before the early frosts. As a keeper it has no equal. Fruits we carried over from 1915 harvest were in fine condition in the spring of 1916.

Our seed of this new squash is limited. Get your order in early. Don't miss this opportunity to get something that is unusually good and will be a real treat to the entire family. Price large pkt. 15c; 2 pkts., 25c; 1 oz., 35c, postpaid.

"Just a line to praise your seed, which I bought of you this spring. The Sweet Potato Squash is the finest I ever saw; and all the other seed, such as corn and other seed; they all proved to be the best I have used yet."

W. A. Howe,  
St. Johnsburg,  
New York.

**ORDER  
EARLY**





# Galloway's First and Best Cauliflower

35

## An Extra Early Variety for the Home Garden ★

OUR First and Best cauliflower is sure to make a host of friends on account of its exceptional earliness and fine quality. The heads are solid, snow white and of good size. It is fully ten days earlier than Snowball, and, in our gardens, a better cropper. The leaves protect the heads from the hot summer sun insuring good snow white heads at the time of cutting. This is an important thing for market gardeners, as buyers always prefer cauliflower of good clean appearance. Our seed of this new cauliflower was raised for us by the best cauliflower grower in Copenhagen, Denmark, and he assures us that First and Best is the triumph of many years of effort to breed a high class, extra early, solid headed cauliflower of nice uniform size. Be sure to include a packet in your seed order and see how different they are to those you have previously grown. Price, large pkt. 15c;  $\frac{1}{4}$  oz. 80c; 1 oz. \$3.00, postpaid.

## Galloway's Orange Prince Carrot ★

40

## An Exceptional Carrot for Creaming

A SPLENDID carrot for table use. The roots grow very regular and smooth, about the same length as the well known Danvers variety, but much earlier. In color it is a beautiful orange red; the flesh is fine-grained sweet and sugary, and remains firm and brittle a long time after pulling.

It is an exceptionally heavy cropper. Orange Prince grows very uniform and is free from coarseness; consequently, an excellent variety for bunching which makes it a good seller on any market. Its handsome color and delicious flavor places it alike in good favor with the market and home gardener. It is the cook's favorite for creaming.

Price, large pkt., 10c; 1 oz., 20c;  $\frac{1}{4}$  lb., 70c; 1 lb., \$2.50, postpaid.

## Galloway's New Dwarf or Bush Wax Bean Defiance ★

45

WE want every customer who makes a specialty of early wax beans for the home table or the market to try a packet of our Defiance, an extra early dwarf or bush wax bean that we can highly recommend. Don't omit this bean from your order this spring. It is a real eye-opener. After once growing our Defiance we feel confident that you will never again be satisfied with the old out-of-date varieties you have been accustomed to growing. It is a splendid cropper, producing long, smooth, golden pods of splendid flavor, making it a prime favorite for table and market. Price, large pkt., 20c; pt., 70c; qt., \$1.20, postpaid.

**Cauliflower**  
"First  
and  
Best"



"I am well pleased with the seed I got from you last year. I had the nicest garden vegetables last year that I ever raised in my life. Mr. Galloway, I like your seed and they are all that you claim them to be. They are good seed and I will always be your customer."

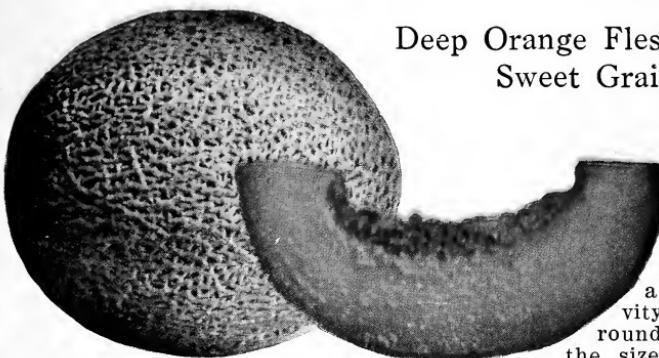
W. R. OTTO,  
Little Plymouth.

January 26,  
1917.  
I ordered garden seed from you last year, and was so well satisfied with the seed that I intend to order my seed from you again this year.

Mrs. Melvin Anderson,  
Neosho, Mo.

## Galloway's Hoodoo Muskmelon

Deep Orange Fleshed—Very Sweet Grained



The Hoodoo is a splendid melon for the market and hotel trade. As a shipper it cannot be surpassed. It is a wonderfully prolific sort of muskmelon, and a great favorite wherever introduced and thoroughly tried. We cannot recommend it too highly. Price large pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50, postpaid.

**53**  
THE flesh of the Hoodoo Muskmelon is fine grained and sweet, deep orange in color and extremely thick, with a very small seed cavity. Fruits are nearly round in shape and about the size of the Rockford.

## Galloway's Abundance Beet

**80 Rich Red Color—Fine Fleshed—Splendid Winter Keeper—The Record Breaking Beet of our Trial Grounds**

**T**HIS new round beet, Abundance, is becoming a great favorite with many beet growers. For slicing, canning or the market, Abundance stands without a rival. It is not a large coarse root, as many so-called table beets are, but is a medium size, nearly round, smooth, dark crimson root with practically no core. The flesh is a deep rich crimson and is sweet and crisp, and retains its color when cooked. We believe it is an ideal all-season beet. Sow plenty of Abundance seeds, for when you pull them quite small and cook them whole the family will want more and more of this sweet flavored wholesome beet.

Abundance is ideal for bunching for the market; they grow very uniform in size, being as much alike as peas and are unusually clean, having little or no rootage. The tap roots are small, which makes them easy to harvest. Abundance beets are ready to pull about eight weeks from time of sowing. By all means include a packet or more of Abundance in your seed order. They will certainly please you. Price large pkt. 10c; 1 oz. 20c;  $\frac{1}{4}$  lb. 60c, postpaid.



"Everyone was wondering last year over my garden. I had such good garden which I raised out of your seed. No one has had anything around here, and I such good things. Everyone asked me where I got the seeds. 'From the Galloway Bros.', I said proudly, and so everyone wanted to see the new seed book, which I sure handed them with pride and pleasure." Veronika Keller, Grove City, Penna., R. 17.

Owing to the shortage of the Seed Crop we advise our friends to ORDER EARLY

## Galloway's Dandy Cucumber

**81 Extra Early—Cool and Crisp—Very Prolific—Bears the Whole Season**

We have said time and again that Galloway's Dandy Cucumber was the acme of perfection. For years we looked for a cucumber that we could call Dandy, and after careful experiments on our seed trial grounds, have at last found one that we are confident will please our many thousands of customers throughout the United States. It is neither long nor short, but just right in size—a nice medium cucumber that can be used either for slicing or pickling. Its flesh is solid and crisp; its fruit presents an appearance that is bound to attract your attention immediately. The vines are strong growers, vigorous and very prolific in bearing. A few plants of this splendid cucumber are sufficient for the needs of a fair sized family. Be sure and include a packet of Galloway's Dandy Cucumber in your order this spring. Price large pkt. 10c; 2 pkts. 15c; 1 oz. 20c;  $\frac{1}{4}$  lb. 50c, postpaid.



## Galloway's Little Wonder Carrot

**83 A Small Type of Highly Flavored Carrot for Private Gardens**

We honestly believe that Galloway's Little Wonder Carrot is a perfect variety for table use. It is not a long variety of carrot like James Scarlet Intermediate, nor short like Guerande or Oxheart, but a medium root after the type of Early Nantes, but decidedly less coarse; very smooth skinned, therefore, easy to wash, and the sort of carrot that the housewife likes to handle.

The flesh is crisp, fine-grained and sweet, and the early maturity makes them fit to pull a few weeks after sowing. Little Wonder is an ideal carrot for the home garden. Our seed is specially imported for us by one of the best known French growers.

Price large pkt. 10c; 2 pks. 15c; 1 oz. 25c;  $\frac{1}{4}$  lb. 70c; 1 lb. \$2.50 postpaid.

### Testimonial

"Now I must tell you the result of my seed which I got from you last spring. They were much better than any of my neighbors'. One of my friends bought her seed at a 5 and 10 cent store, and I gave her some of the seed I had left from last year, and she saw so much difference from seeds she bought, that she promises next spring she will send to you for all she needs; for as much as I can, I praise your seeds to my neighbors." Mrs. E. Alfred Grimord, 11 Maple Ave., Salem, Mass.

In ordering kindly specify second choice. To make sure of getting what you want, please ORDER EARLY.



## Extra Early Improved Golden Wax Bean

**249 A Dwarf or Bush Bean with Productiveness, Earliness, Beauty, Tenderness and Flavor.**

**T**HIS is a dwarf or bush bean combining earliness, tenderness and flavor with exceeding productiveness and ability to withstand plant diseases affecting this type of legumes. Not only is the Improved Golden Wax more prolific than many others, but is also more fleshy and matures earlier. A batch of Improved Golden Wax grown on our seed farm excited much favorable comment from all who inspected them. The plants were bushy and very prolific bearers. The pods will run from 5 to 6 inches in length and are borne in heavy clusters. If you want a bean for home use or market do not leave Improved Golden Wax out of your seed order this spring. Price, large pkt., 15c; pt. 50c; qt. 90c; postpaid.

## Galloway's Black Chief Egg Plant

**49 An Improvement Over the Old Purple Type.**

**T**HIS variety of egg plant, Galloway's Black Chief, is a decided improvement over the old purple types of this vegetable. It is earlier and more productive; the fruits are very handsome and a rich lustrous purple black color. Gardeners tell us they prefer Black Chief to any other variety they have ever tried and certain to become a favorite wherever tried.

It is in every way distinct among egg plants and is spineless. Try a packet. Price, large pkt., 10c; 1 oz., 50c; postpaid.

## Galloway's Country Gentleman Sweet Corn

**52 The Peer of All Late Corns.**

**A**MILKY kerneled, early, white, tender, productive corn. This is undoubtedly the best known late sweet corn known to truckers and gardeners. It has a delicious flavor, is luscious, tender and milky, and remains in the milk longer, it is said, than many other varieties of sweet corn. Ears average under favorable conditions about 8 1/2 inches long.

Country Gentleman Sweet Corn is a luxury among food necessities and within the reach of all gardeners. The kernels are deep and the cob small. Country Gentleman is a splendid main crop variety. Price, large pkt., 15c; pt. 45c; qt. 85c; postpaid.

## Extra Early Sunrise Sweet Corn

**51 One of the Earliest and Best White Corns.**

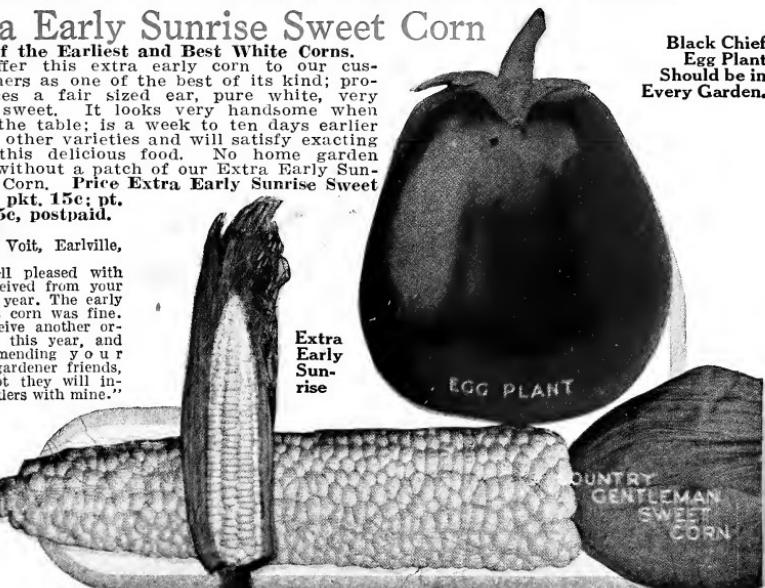
**W**E offer this extra early corn to our customers as one of the best of its kind; produces a fair sized ear, pure white, very juicy and sweet. It looks very handsome when served on the table; is a week to ten days earlier than many other varieties and will satisfy exacting lovers of this delicious food. No home garden should be without a patch of our Extra Early Sunrise Sweet Corn. Price Extra Early Sunrise Sweet Corn, large pkt., 15c; pt. 45c; qt. 85c, postpaid.

Mr. Albert Voit, Earlville, Iowa, says:

"I was well pleased with the seeds received from your company last year. The early Sunrise sweet corn was fine. You will receive another order from me this year and I am recommending your seeds to my gardener friends, and no doubt they will include their orders with mine."

A shortage  
of seeds  
means  
ORDER  
EARLY  
to get vari-  
eties you  
want.

Black Chief  
Egg Plant  
Should be in  
Every Garden.



# Galloway's New Langport Pea

70

A Vigorous Grower,  
Abundant Bearer, Pods  
of Excellent Length,  
Filled with Delicious

Peas

HERE is the best pea ever originated by the celebrated garden pea experts, Kelway & Son, Langport, England. The vines are strong and vigorous and bear an abundance of pods of exceptional length which are filled with delicious peas. These handsome peas are much larger than ordinary garden peas, and present a handsome appearance when served upon the table. Here is what the originators of this celebrated pea say about it:

"It is a genuine novelty, the result of a successful pedigree cross between well known varieties, and gives us a wrinkled marrow-fat pea superior to, and longer podded than the splendid pea Alderman; is in season at the end of the second early peas. It is first rate in robustness, habit and color, and a superior cropper, a stout grower, with a dark green pod about four and one-half inches long, some inclined to be curved, with seven to eleven large extra sweet peas per pod. Splendid for exhibition, a heavy cropper, grows about four feet high, guaranteed perfectly distinct, highly recommended for garden and market. Try them and you will always include Langport with your order.

Price, large pkt., 20c; 2 pkts., 35c; 1 pt., 60c; 1 qt., \$1.00 (postpaid).

June 22, 1917.

I write this letter to let you know how my garden is getting along with the seed I received from you. Everything does very well, especially the lettuce, "Pride of Iowa." Some of them measure one foot across and weigh one pound. Your "Little Gem" beets are all beauties. We have some "Langport" peas, and some of the pods measure six and seven inches. The beans are just fine, and the flower seeds the same way.

Mr. August Wautelet,  
Orma, Kansas, Box 75.

Fairbury, Nebraska, October 13, 1917.  
I wish to say that I sent you an order for garden seeds in the spring, and was well pleased with them. I had a fine garden.

Mrs. H. N. Darrom, Route 1.

Topaz, Michigan, January 5, 1917.  
We have been very well satisfied with vegetables grown from seed secured from you, so we would like to get your new catalog.

Mr. Chas. Bartha, Box 11.

A Big  
Sweet  
Flavored  
Pea—  
Something  
New



Nitratin for  
Garden Peas

Means you will get a more robust vine, a heavier crop and make this legume enrich the soil in which it is used. Once tried on garden peas and beans you will always use it. It pays for itself ten times over. It is not an expense, but a necessary investment for the best results. Include "Nitratin" with every order of peas, beans or other legumes (legumes are plants which bear their seed in pods, they take nitrogen from the air and deposit it in the soil, thus storing away plant food). Price, garden size, for all varieties garden peas, 30c.

## How to Raise Fine Tomatoes

To raise nice, smooth, round tomatoes you must first get pure seed of the kind you want. Galloway's Porterhouse is a good all around main crop tomato. Sow the seed in a hot bed or start them under glass. After the plants are up almost 2 inches, transplant them in pots. Then after they are thoroughly set and six to eight inches high, put them in a temperature of from 55 to 55 degrees to get them thoroughly hardened before setting them out. In this way the shock of putting them out in the garden soil will not set them back. After they are old enough to blossom, pinch off the first blossoms, and pinch off some of the leaves, because this makes the plant more vigorous and the second blossoms are the ones that produce the finest fruit. For fertilizer use only well rotted stable manure. Don't just set them out without care, but give thorough cultivation and plenty of moisture, if the season is dry, and the result will be smooth, well-shaped, luscious fruit.

Galloway's  
Porterhouse  
Tomato

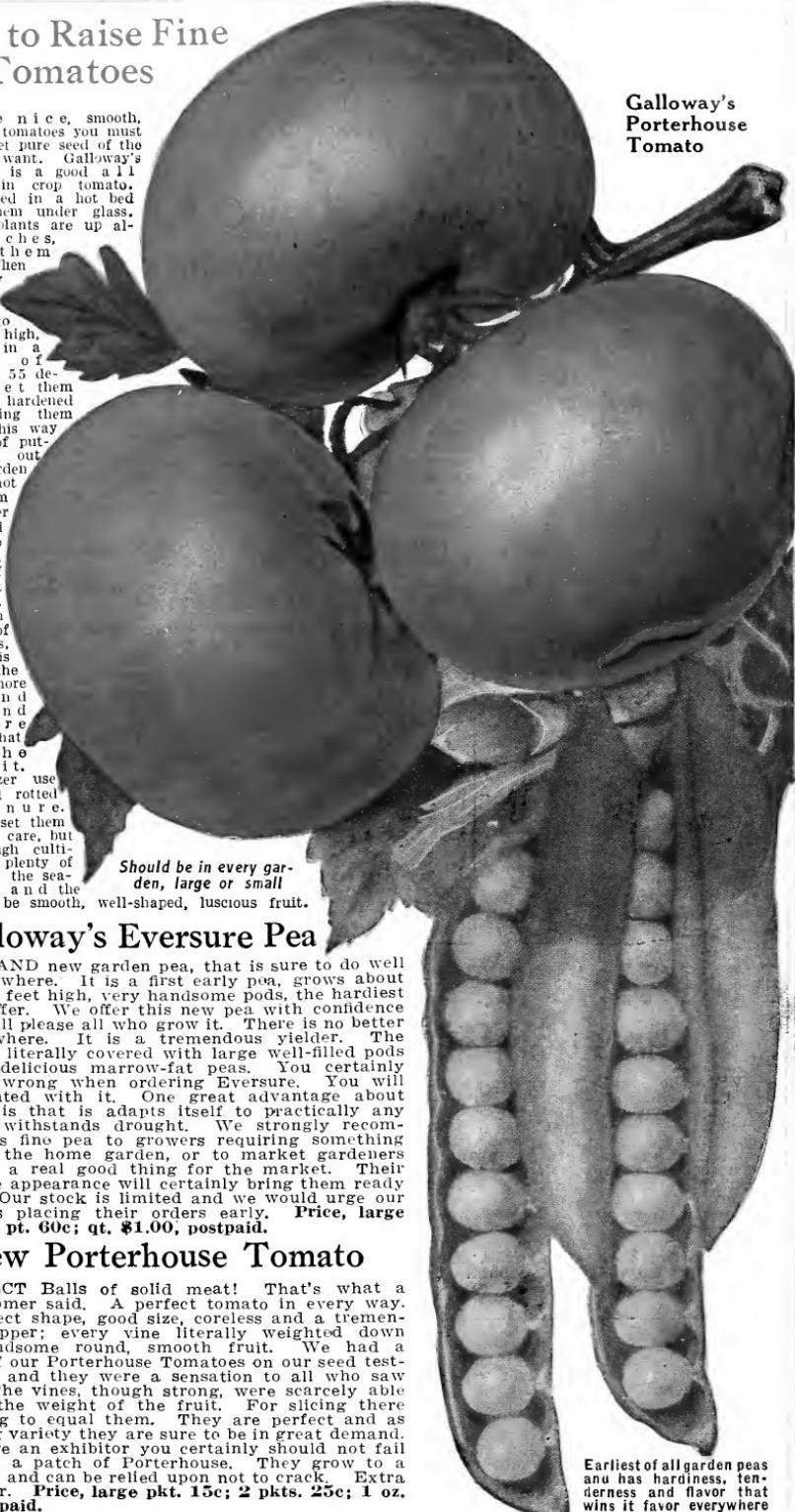
*Should be in every garden, large or small*

## 79 Galloway's Eversure Pea

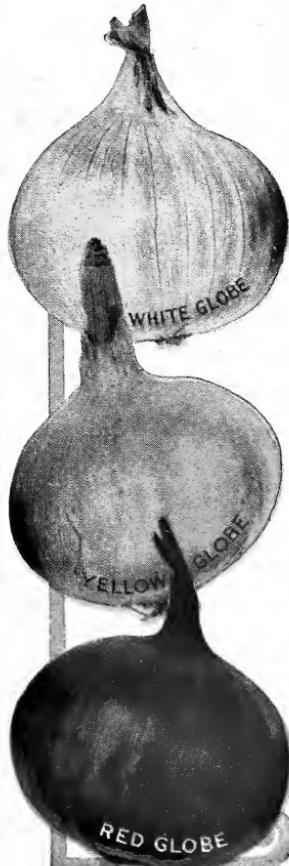
A GRAND new garden pea, that is sure to do well anywhere. It is a first early pea, grows about two feet high, very handsome pods, the hardiest pea we offer. We offer this new pea with confidence that it will please all who grow it. There is no better pea anywhere. It is a tremendous yielder. The vines are literally covered with large well-filled pods of most delicious marrow-fat peas. You certainly can't go wrong when ordering Eversure. You will be delighted with it. One great advantage about this pea is that it adapts itself to practically any soil and withstands drought. We strongly recommend this fine pea to growers requiring something good for the home garden, or to market gardeners requiring a real good thing for the market. Their handsome appearance will certainly bring them ready buyers. Our stock is limited and we would urge our customers placing their orders early. Price, large pkt. 15c; pt. 60c; qt. \$1.00, postpaid.

## 78 New Porterhouse Tomato

P ERFECT Balls of solid meat! That's what a customer said. A perfect tomato in every way. Perfect shape, good size, coreless and a tremendous cropper; every vine literally weighted down with handsome round, smooth fruit. We had a fine lot of our Porterhouse Tomatoes on our seed testing farm and they were a sensation to all who saw them. The vines, though strong, were scarcely able to bear the weight of the fruit. For slicing there is nothing to equal them. They are perfect and as a canning variety they are sure to be in great demand. If you are an exhibitor you certainly should not fail to put in a patch of Porterhouse. They grow to a great size and can be relied upon not to crack. Extra fine flavor. Price, large pkt. 15c; 2 pkts. 25c; 1 oz. 50c, postpaid.



Earliest of all garden peas and has hardness, tenderness and flavor that wins it favor everywhere



## Galloway's Express Globe Onion

### Red

58

We claim for the Galloway Express Globe Onions that they are the earliest offered by anyone. Seed sown in early spring will develop nice marketable onions about two weeks earlier than any other kind. The bulbs are large, perfectly globe shaped, and ripen down very evenly. They seldom show any tendency to neck—a bad feature with some varieties; very mild flavored, fine, firm in flesh and excellent keepers, making an ideal onion for market gardeners and shippers, as well as home use. Our Express Globe Onions produce very even crops, all nice clean bulbs, of even size and good appearance. One ounce of our Express Globe Onion seed will sow 300 ft. of drill. When sowing your seed press down the seed rows firmly. Onion seed always germinate better when the soil is firmly packed.

Galloway's Express Globe Red Onion, large pkt. 10c;  
1 oz. 35c;  $\frac{1}{4}$  lb. \$1.25; 1 lb. \$4.50.

Galloway's Express Globe Yellow Onion, large pkt. 15c;  
1 oz. 50c;  $\frac{1}{4}$  lb. \$1.50; 1 lb. \$5.00.

Galloway's Express Globe White Onion, large pkt. 15c;  
1 oz. 55c;  $\frac{1}{4}$  lb. \$2.00; 1 lb. \$7.25.

Winamac, Indiana, January 6, 1917.  
I have been perfectly satisfied with the seeds I received from you last summer. Therefore I would kindly ask for the coming catalogue, as I would like to get my seed earlier.

Mrs. J. Rydwelski, Route No. 6, Box 70.

Ozawkie, Kansas, January 27, 1917.  
Had great success with your onion seed. I bought from you last year and a very dry season too.

Rev. S. A. Rauch.

Saegerstown, Penna., December 28, 1916.  
Two years ago I used your garden seeds; all proved good. Last year I trusted to other seed; not good. Garden and a few flower seeds is what I want.

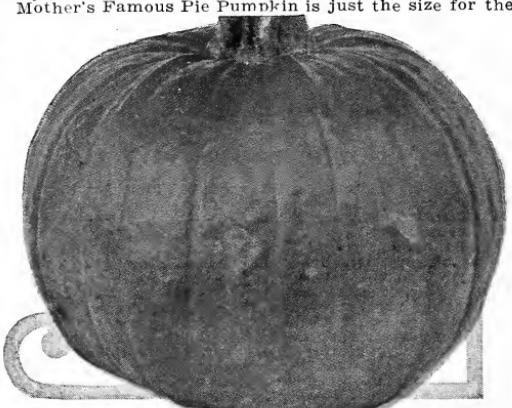
Mr. L. B. May, Route No. 2, Box 95.

## Mother's "Famous Pie" Pumpkin Excels All Others For Pies and Canning

57

EVEN the smallest garden should contain a few hills of this delicious Mother's Pie Pumpkin. Plant a few hills this year among the sweet corn. When planted this way they require no extra ground. Mother's Famous Pie Pumpkin is just the size for the home garden, averaging in weight about 10 lbs. Skin and flesh is a rich deep orange yellow; very fine grained and sweet; cooks up splendidly, and free from stringiness. It is a prolific yielder.

Plant a few hills in your sweet corn rows. These two favorites go well and grow well together. Price, large pkt. 5c; 1 oz. 10c;  $\frac{1}{4}$  lb. 35c;  $\frac{1}{2}$  lb. 60c; 1 lb. \$1.00, postpaid.



Unionville, Mo..  
January 1, 1917.

We are proud of the way your seeds grew last year.

Mr. W. F. Wymore.

New Virginia, Iowa..  
January 3, 1917.

I received seeds from you two years and they are fine.

Mr. A. C. Cunningham, Box 115.

# Asparagus

## Early Market Giant ★

201

**W**E are very pleased to be able to offer our customers, seeds of this exceptionally fine Asparagus. It is an ideal kind for market gardeners, and is quite a year ahead of some of the older varieties in maturing, and is disease resistant; producing fine white delicious sticks which are tipped with pale purple. Price, large pkt., 10c; 2 pkts., 15c; 1 oz., 30c (postpaid).

202

## Bonavelett's Giant ★

**T**HE earliest and best of all Asparagus. They come into bearing fully a year in advance of all the older varieties, one year old plants being quite as sturdy as two year old plants of the older varieties. It is generally supposed that Asparagus is hard to grow, but this is a mistake. The seed should be soaked in lukewarm water for about 12 hours before sowing; this will assist the germination. Price, large pkt., 5c; 2 pkts., 8c; 1 oz., 15c (postpaid).

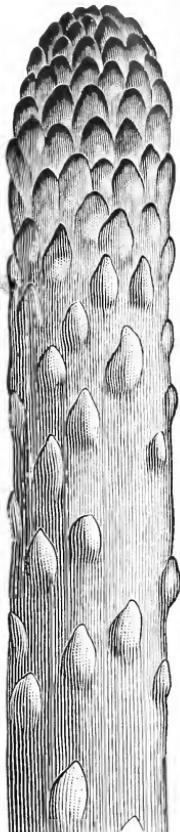
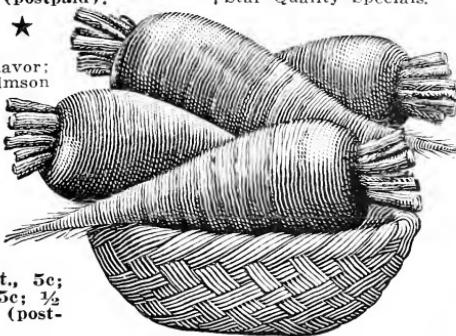
## Beets

229

### Eclipse

**V**ERY early. Especially desirable for home garden or market use. Tops small; roots deep red; smooth; flesh, bright red zoned with a lighter color. Price, large pkt., 5c; 1 oz., 15c; ¼ lb., 45c; ½ lb., 80c; 1 lb., \$1.50 (postpaid).

**80 ABUNDANCE\***. See page 19. This is the one beet that we recommend. True to the description of it among our Star Quality Specials.



### Perfection ★

226

**R**ICH in color and flavor; is a deep crimson through and of a perfect shape; an ideal beet for pickling. We have tried these beets on our experimental farm, and unhesitatingly recommend them as the very best for all purposes. They are unsurpassed in quality. Price, large pkt., 5c; 1 oz., 15c; ¼ lb., 45c; ½ lb., 80c; 1 lb., \$1.50 (postpaid).

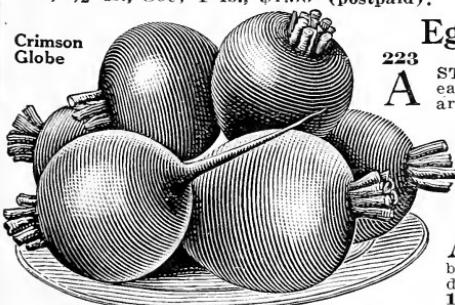
Long Smooth Blood

## Galloway's Crimson Globe ★

224

**O**NE of the best of the dark fleshed globe shaped beets for general use. This stock is specially selected for us by one of the leading growers, and we are confident it will give entire satisfaction wherever grown. Price, large pkt., 5c; 1 oz., 15c; ¼ lb., 45c; ½ lb., 80c; 1 lb., \$1.50 (postpaid).

Crimson Globe



### Egyptian Turnip Rooted ★

223

**A** STANDARD sort of great merit, about a week earlier than the old blood turnip variety. Roots are a nice, rich, crimson; tap roots very small and clean; a very desirable beet for the market gardener, owing to its early maturity. Price, large pkt., 5c; 1 oz., 15c; ¼ lb., 45c; ½ lb., 80c; 1 lb., \$1.50 (postpaid).

225

### Black Ball ★

**A** PERFECTLY round smooth beet. Very early maturing; about the size of a tennis ball; very deep color, almost black; fine flavor. The best beet for salads; does not get stringy. Price, large pkt., 5c; 1 oz., 15c; ¼ lb., 45c; ½ lb., 80c; 1 lb., \$1.50 (postpaid).

Beets

No.	Name	Pkt.	Oz.	¼ lb.	½ lb.	1 lb.
80	Abundance* (See Page 19)	\$.10	\$.20	\$0.60	\$1.10	\$2.00
225	Black Ball	.05	.15	.45	.80	1.50
224	Crimson Globe	.05	.15	.45	.80	1.50
229	Eclipse	.05	.15	.45	.80	1.50
223	Egyptian Turnip Rooted	.05	.15	.45	.80	1.50
25	Little Gem Pickling	.10	.20	.50	.90	1.75
227	Long Smooth Blood	.05	.15	.45	.80	1.50
228	Swiss Chard or Spinach Beet	.05	.15	.45	.80	1.50
226	Perfection	.05	.15	.45	.80	1.50

Dwarf or Bush Varieties on This Page

# Beans

Plant  
More  
Beans

## Wax Pod Dwarf or Bush

**Defiance Wax.**\* Early. This is another of our Star Quality specials and is described on page 18. Also priced below. Look it up before ordering.

## Wardwell's Kidney Wax ★

250

A VERY hardy and productive variety, bearing an abundance of handsome fleshy pods of the stringless type; a very fine variety for the market. Their handsome pods and rich golden color always attract attention. Price, large pkt., 10c pt., 45c; qt., 80c, postpaid.

## Davis' Kidney Wax

252

THE demand for this very fine bean was very heavy last season, and in consequence of its very high merit we expect a much heavier demand this season. Bean growers declare it to be one of the very best of the whole dwarf wax bean family. The beans are creamy white and quite rust-proof, very heavy croppers and greatly in demand for canning. Price, large pkt., 10c pt., 45c; qt., 80c, postpaid.

## Currie's Rust-Proof Black Wax

253

A VERY desirable variety of the stringless type, very early and a fine cropper; bears an abundance of crisp, tender, stringless pods of excellent quality and flavor. Price, large pkt., 10c; pt., 45c; qt., 80c, postpaid.

Use "Nitragin" for best results in growing the finest garden Beans.

The ideal bean for the average kitchen garden. Include it in your order for 1918.

Standards—  
Novelties

## Improved Golden Wax ★

**Improved Golden Wax.**\* Main crop. This Golden Wax Bean while not an extra early is one of the best main crop beans and has a longer bearing season than many. Look it up on page 28 among the specials that we offer for 1918.

## Green Pod Dwarf Red Valentine \*

242

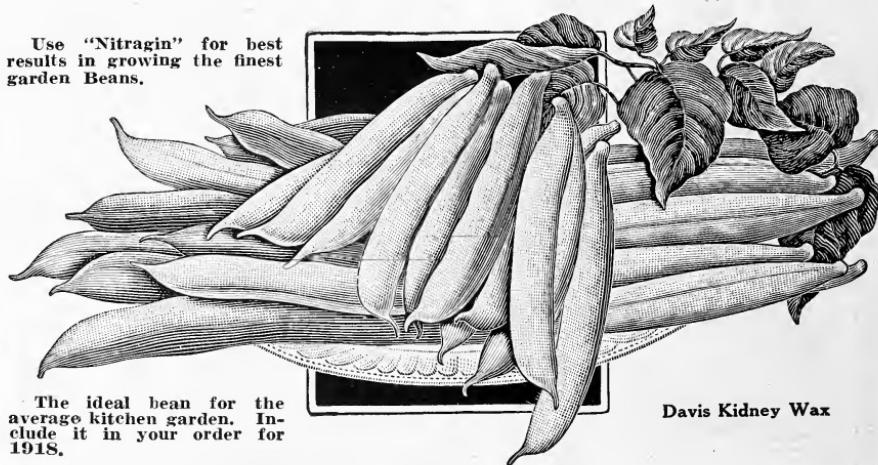
THIS is one of the best known of the green pod or pickling varieties. It is exceptionally early, pods being ready to pick 35 days after sowing. They are light green and semi-transparent, a very fleshy, crisp and tender bean, seed long, of medium size, a desirable bean for every home garden. Price, large pkt., 10c; pt., 40c; qt., 75c, postpaid.

## 245 Navy or Boston Pea Bean

THIS seed is more extensively grown than any other for dry beans. Last year the demand exceeded the supply. We have however contracted for a large quantity of this seed to be grown for us and we expect to be able to fill all orders. We would, however, advise our customers to book their orders early as we expect even a greater demand than last year for White Navy beans. Write us for special prices on larger quantities. Price, large pkt., 10c; pt., 40c; qt., 75c, postpaid.

## Nitragin for Garden Beans

Means you will get a more robust vine, a heavier crop and make this legume enrich the soil in which it is used. Once tried on garden beans and peas you will always use it. It pays for itself ten times over. It is not an expense, but a necessary investment for the best results. Include "Nitragin" with every order of pea beans or other legumes. (Legumes are plants which bear their seeds in pods, they all take nitrogen from the aid and deposit it in the soil, thus storing away plant food.) Price, garden size, for all varieties garden beans, 30c.



Davis Kidney Wax

# Beans (continued)

Green Pod Dwarfs  
or Bush

## Early Yellow Six Weeks

**241** *I*t produces an abundance of long green flat podded beans ready for the table in six weeks from the time of sowing, and under favorable circumstances in even less time. Owing to its early productiveness this bean can be sown successionaly right up to the fall, and be relied upon to produce an abundant crop right through the season. All the bush beans can be relied upon to prolong their period of productiveness if kept picked close. Price, large pkt., 10c; pt., 40c; qt., 75c, postpaid.

## Stringless Green Pod

**240** *W*e put in a big batch of these on our own Experimental Farm this year and they gave satisfaction. The plants were uniform and tremendous yielders, every plant being weighed down with straight, long, perfectly round, and fleshy beans. Price, large pkt., 10c; pt., 40c; qt., 75c, postpaid.

## Early Refugee Green Pod

**244** *A*n improvement on the old Refugee Green Pod bean on account of its earliness and dwarf habit of growth, in which respect it is distinct from almost any other variety. It is a good yielder, pods uniformly round and nearly stringless, therefore a favorite with canner and shipper. Price, large pkt., 10c; pt., 40c; qt., 75c, postpaid.

**246** *T*HE plant is of sturdy growth, being particularly immune to rust and mildew. It is very hardy, early and prolific and continues to bear for several weeks. The pods are immense in size, rich green, thick broad extra long, solid, meaty, rich, tender, and entirely free from string. Price, large pkt., 10c; pt., 40c; qt., 75c, postpaid.

## Kentucky Wonder Wax

**251** *T*HIS is the best of all climbing wax beans. It is very similar to the green podded Kentucky Wonder, but the fine long pods are a little broader, very fleshy and quite stringless. Price, large pkt., 10c; pt., 45c; qt., 80c, postpaid.

## Improved Kentucky Wonder

**243** Also Known as Old Homestead

*T*HIS variety is more used than any other of the green podded pole beans suitable for use as snaps. It is an early prolific sort, with very showy pods which are of very fine quality. The vines are very vigorous and productive, producing pods in large clusters. The pods are light green in color, very long. Very round and crisp. The seed is long oval, dun colored. This probably has a larger sale than any other pole bean. Price, large pkt., 10c; pt., 40c; qt., 75c, postpaid.

Cylinder, Iowa., April 28, 1917.

I want to say a few words in regard to you sending out seeds. I have ordered seeds from other companies before, but never was satisfied with them as I have been with your company, and your seeds. You are more prompt in filling orders too. I am glad I ordered from you instead of some of the companies I have ordered from before.

Mrs. C. O. Taflinger, Route 2.

Cedar Falls, Iowa., July 23, 1917.

As I am sending a little order for seed, I wish to tell you that my order from you last spring, of both field and garden seeds, was the best I ever had; and I am harvesting a fine crop.

Mr. Marius Rhode, 1404 Iowa St.



Climbing or Pole Beans

Kentucky  
Wonder  
or Old  
Homestead



## For Garden Beans

Means you will get a more robust vine, a heavier crop and make this legume enrich the soil in which it is used. Once tried on garden beans and peas you will always use it. It pays for itself ten times over. It is not an expense, but a necessary investment for the best results. Include "Nitragin" with every order of peas, beans or other legumes. (Legumes are plants which bear their seeds in pods, they all take nitrogen from the air and deposit it in the soil, thus storing away plant food.) Price, garden size, for all varieties garden beans, **30c.**

# Lima Beans Varieties You Can Depend on

## Henderson's Bush Lima ★

**237** **T**HIS is the earliest of all Bush Limas. Grows only 18 inches high and produces an abundance of rich buttery beans. The best for Northwestern States. For earliness and productiveness Henderson's Bush Lima cannot be beaten. They are at least 12 days earlier than any other type of Bush Lima and at least 2 to 3 weeks earlier than Pole Limas. This enables them to be grown in many sections of the country where the seasons are too short for other Limas. Price, large pkt., 10c; pt., 55c; qt., \$1.00 postpaid.

## Burpee's Improved Bush Lima ★

**238** **T**HIS is the best large seeded Bush Lima bean in existence, and it's a dandy. The bushes grow about 18 inches high, are of stout growth and always erect. They branch vigorously and each plant develops into a fine bush, from two to three feet in diameter. It is a tremendous yielder, the handsome large pods being filled with very large beans of delightful flavor. Price, large pkt., 10c; pt., 40c; qt., 75c, postpaid.

## Dreer's Drawf Lima ★

**239** **T**HICK pods and large thick beans, three or four in a pod. Ripens fully ten days earlier than the Pole Lima of the same name. Price, large pkt., 10c; pt., 40c; qt., 75c, postpaid.

## 236 King of the Garden—Climbing Lima

**A**VIGOROUS grower requiring but two vines to each pole. A very excellent bean in every way. In order to insure satisfactory results, we would advise early sowing. This bean is a great favorite with market gardeners owing to its great productiveness. They begin flowering at the bottom of the pole, producing a continuous bloom and foliage right on to the end of the season. Pods measure from 5 to 8 inches in length and contain from 5 to 7 perfectly formed beans of a superior quality. Price, large pkt., 10c; pt., 45c; qt., 80c, postpaid.



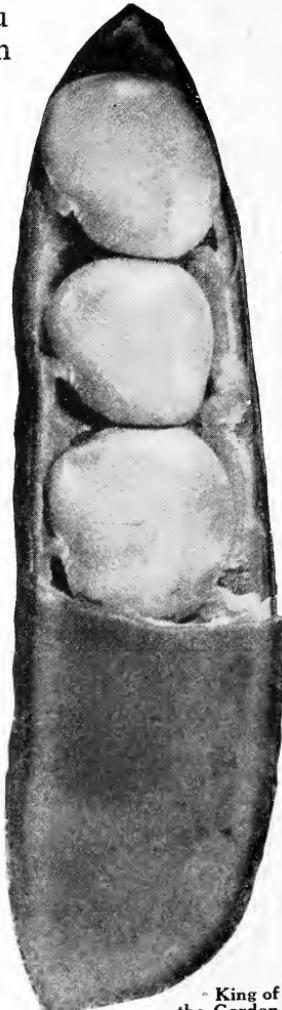
Burpee's  
Bush  
Lima  
Bean

## Bean Culture

**BEAN CULTURE**— Garden beans of the dwarf or bush varieties are usually sown in rows 2 feet apart, dropping the seed 2 inches apart in the row. Do not sow until the ground is warm, and the danger of frost is past.

Dwarf Lima beans should be planted 18 or 20 inches apart in the row, dropping 2 or 3 seeds in a place. The rows should be 3 feet apart. Do not plant until the ground is thoroughly warm. In this climate the last week in May or the first in June is the proper time to plant. Cover the seed only about one inch deep.

Pole beans should have some kind of support on which to climb.



King of the Garden

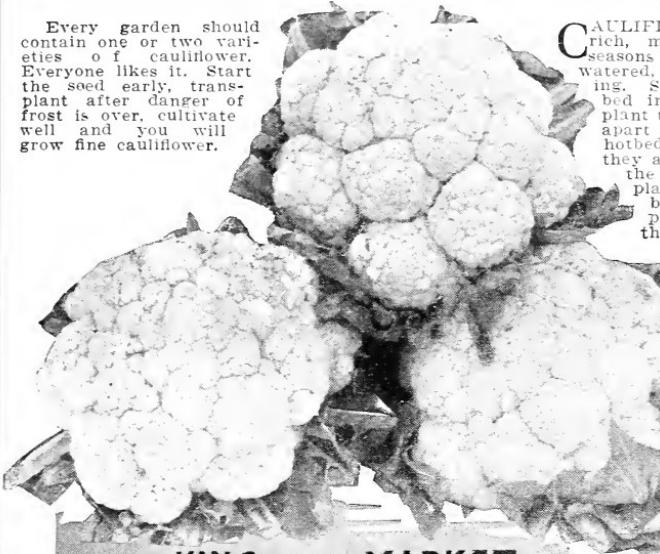
## Table of Prices on All Varieties of Beans Listed Above

No.	Name	pkt.	pint	quart
233	Black Wax . . . . .	\$0.10	\$0.45	\$0.80
246	Bountiful Green Pod . . . . .	.10	.40	.75
235	Burpee's Bush Lima . . . . .	.10	.40	.75
252	Davis' Kidney Wax . . . . .	.10	.45	.80
45	Defiance Wax (See Special Page 18) . . . . .	.20	.70	1.20
239	Dreer's Dwarf Lima . . . . .	.10	.40	.75
241	Early Yellow Six Weeks . . . . .	.10	.40	.75
244	Extra Early Refugee (Green Pod) . . . . .	.10	.40	.75
237	Henderson's Bush Lima . . . . .	.10	.55	1.00
249	Improved Golden Wax (see page 21) . . . . .	.15	.50	.90
243	Kentucky Wonder (Green Pod) . . . . .	.10	.40	.75
251	Kentucky Wonder Wax . . . . .	.10	.45	.80
236	King of the Garden Climbing Lima . . . . .	.10	.45	.80
242	Red Valentine . . . . .	.10	.40	.75
247	Refugee Wax . . . . .	.10	.45	.80
240	Stringless Green Pod . . . . .	.10	.40	.75
250	Wardwell's Kidney Wax . . . . .	.10	.45	.80
245	White Navy . . . . .	.10	.40	.75

# Cauliflower

You Can Easily Grow Good Cauliflower, Follow these Simple Rules

Every garden should contain one or two varieties of cauliflower. Everyone likes it. Start the seed early, transplant after danger of frost is over, cultivate well and you will grow fine cauliflower.



**KING OF THE MARKET**

## Danish Perfection★

This Cauliflower is our Imported Dwarf Erfurt type. See page 15 for complete description.

## First and Best★

See page 18 for illustration and description of this splendid variety of cauliflower. It is one of our Star Quality specials.

## 265 King of the Market★

**T**HIS is no finer strain of cauliflower anywhere than Galloway's Imported King of the Market. It is very early. The heads are uniform, solid and snow white. It is about two weeks earlier than Snowball. The very best for forcing under glass. Price, large pkt., 10c;  $\frac{1}{4}$  oz., 70c; 1 oz., \$2.50 (postpaid).

## Galloway's Early Snowball★

**264**  
**N**O cauliflower grown has gained for itself a greater reputation than has Early Snowball. While originally recommended and used as an early variety, it has not only supplanted most other sorts for spring planting, but it has largely driven out the large late sorts for fall use, being much finer than they are in quality. It's a cauliflower that can be positively depended upon to produce a crop when conditions are ordinarily favorable. Its close growing, compact habit, enables at least one-third more to be planted on the same space of ground than can be done with other varieties. It's an ideal cauliflower for forcing under glass during the winter and spring. Price, large pkt., 10c;  $\frac{1}{4}$  oz., 70c; 1 oz., \$2.50 (postpaid).

## 266 Dry Weather

**A**VARIETY especially adapted to dry conditions. There is great demand for this cauliflower owing to its productiveness under circumstances which as a rule mean failure to all other varieties. Plant in good, rich soil and cultivate well. The heads grow to a large size, are very solid, pure white and of delicious flavor. Price, large pkt., 10c;  $\frac{1}{4}$  oz., 60c; 1 oz., \$2.00 (postpaid).

**C**AULIFLOWERS delight in a rich, moist soil, and in dry seasons should be abundantly watered, especially when heading. Sow the seed in the hotbed in February, and transplant the plants 2 or 3 inches apart in boxes or in another hotbed, until such time as they are safe to be planted in the open ground. Set the plants in the field 2 feet by 15 inches apart. If properly hardened off, they are seldom injured by being planted out too early. When heading, tie the outside leaves loosely over the head to protect it from the sun. One ounce of seed produces from 1,500 to 2,000 plants. Matures in 110 to 120 days.

## Cauliflower

No.	Name	pkt.	$\frac{1}{4}$ oz.	oz.
263	Danish Perfection (see page 15)	\$0.20	\$0.70	\$2.50
266	Dry Weather	.10	.60	2.00
264	Early Snowball	.10	.70	2.50
35	First and Best	.15	.80	3.00
265	King of the Market (see page 18)	.15	.80	3.00
		.10	.70	2.50

## Chinese or Celery Cabbage

**276** Delicious, Appetizing, Healthful—Has No Peer

**S**ERVE as a salad with your favorite dressing. Served as a hot or cold slaw. Served cooked with butter or cream sauce like cauliflower or asparagus. The thick stocky part especially suitable for cooking and requires only twenty to thirty minutes to cook. Not necessary to cultivate your taste for this vegetable. You will like it the first time; you will like it all the time. Price, pkt., 5c; 1 oz., 30c;  $\frac{1}{4}$  lb., \$1.10; postpaid.



**Celery Cabbage**

# Cabbages

For Every Soil and Every Purpose  
Seed Direct From Danish Growers

## Galloway's Imported Hol- lander or Ballhead ★

**300 (True Stock)**

PROBABLY no cabbage is better known than this grand variety. It is medium in size, very solid, with but few outer leaves, as a keeper it has no equal and for market use it is unparalleled. For boiling, slaw, sauerkraut, etc., it is unsurpassed, being crisp, tender and sweet. It grows well on all soils and under most conditions, notwithstanding hot weather and does not rot from the effects of a wet season, and the heads do not burst. Average weight, 7 to 8 lbs. per head. Price, large pkt., 10c; 1 oz., 25c;  $\frac{1}{4}$  lb., \$1.20;  $\frac{1}{2}$  lb., \$2.35;  $\frac{1}{4}$  lb., \$4.50 (postpaid).

## Galloway's Imported Early Winningstadt

**299**

THIS is without doubt one of the best of the early cabbages. It was originally imported from Germany, where it is a prime favorite owing to its compact and upright habit of growth and peculiar texture of its short, thick rich green leaves. This variety seems to suffer less from the cabbage worm than most other varieties. The heads are of medium size, and pyramidal shape, but very solid and of excellent quality; keeps well both summer and winter. It is the hardest cabbage of its kind and will resist excessive wet, drought, insects or disease better than any other variety. Price, large pkt., 10c; 1 oz., 25c;  $\frac{1}{4}$  lb., 95c;  $\frac{1}{2}$  lb., \$1.80; 1 lb., \$3.50 (postpaid).

**COPENHAGEN MARKET\***. See page 13 for complete description of this splendid cabbage. It is worthy to be among our Star Quality Specials. Copenhagen Market Cabbage seed is very scarce this year. Order early.

## Early Jersey Wakefield ★

THIS is the earliest and surest heading of all the early cabbages. Owing to its hardness it can be depended upon to resist cold and other unfavorable circumstances better than any other early cabbage. The plants are compact with very few outer leaves; heads are of medium size, very solid and pointed and of excellent quality. It is an ideal variety for the private garden as it takes up but little room and produces solid hearts sooner than any other sort. It is also an ideal cabbage for the Market Gardener, as it can always be depended upon to produce a fine early crop of solid, clean heads. Price, large pkt., 10c; 1 oz., 25c;  $\frac{1}{4}$  lb., 95c;  $\frac{1}{2}$  lb., \$1.80; 1 lb., \$3.50 (postpaid).

## Danish Summer Ballhead

THE Danish Summer Ballhead cabbage follows early sorts, producing much larger heads of light green, hard and solid, interior leaves the purest white; of sweet flavor and crisp, tender texture. Long keeping. Resembles the Winter Danish Ballhead quite closely. On light soil, it does particularly well, being a sure header. It has a compactness of growth which permits close planting. Its large round heads are less affected by worms, bugs and diseases; being extremely hardy it does well under adverse conditions. Our stock of this superb strain is grown by the originator in Denmark. Price, large pkt., 10c; 1 oz., 25c;  $\frac{1}{4}$  lb., 95c;  $\frac{1}{2}$  lb., \$1.80; 1 lb., \$3.50 (postpaid).

## Early Flat Dutch

**302** AN excellent second early cabbage, producing large solid heads of uniform shape, flattened on top. Fully developed heads frequently measure 10 to 12 inches across and weigh 12 to 15 pounds each. Fine grained and flavored. Particularly suited to the South; has strong heat-resisting qualities. Price, large pkt., 10c; 1 oz., 25c;  $\frac{1}{4}$  lb., 95c;  $\frac{1}{2}$  lb., \$1.80; 1 lb., \$3.50 (postpaid).



# Galloway's Premium Late Flat Dutch ★ Cabbage

298

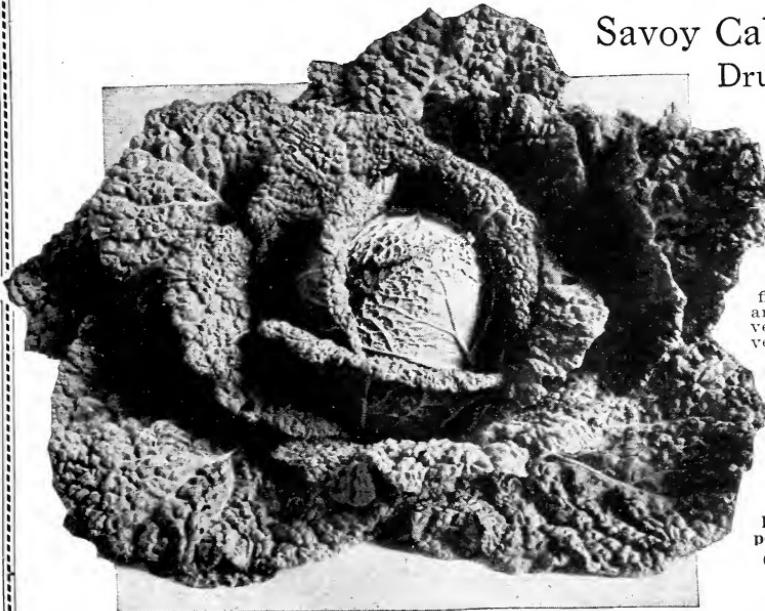
**T**HIS well known late cabbage is without doubt the very best of its kind grown. It is remarkably uniform in size and type. The heads are oval in shape and flat, and as solid as a rock. As a winter keeping cabbage, it is without an equal. Owing to its compact snug growth, it can be depended upon to produce many tons of solid, crisp and tender heads to the acre. A great favorite with Market Gardeners on account of its excellent shipping qualities. Galloway's Premium Late Flat Dutch is grown only from specially selected heads and can be depended upon to produce only plants true to name and of the highest quality. Price—large pkt., 10c; 1 oz., 30c;  $\frac{1}{4}$  lb., \$1.10;  $\frac{1}{2}$  lb., \$2.10; 1 lb., \$4.00; postpaid.



## Others and the Above Cabbages

		pkt.	oz.	$\frac{1}{4}$ lb.	$\frac{1}{2}$ lb.	lb.
276	Celery or Chinese .	\$0.05	\$0.30	\$1.10	\$2.10	\$4.00
303	Charleston Wakefield .	.10	.30	1.10	2.35	4.50
301	Copenhagen Market (see page 13) .	.10	.35	1.20	2.35	4.50
305	Danish Summer Ballhead .	.10	.25	.95	1.80	3.50
302	Early Flat Dutch .	.10	.25	.95	1.80	3.50
296	Early Jersey Wakefield .	.10	.25	.95	1.80	3.50
299	Early Winningstadt .	.10	.25	.95	1.80	3.50
306	Fottler's Brunswick .	.10	.30	1.10	2.10	4.00
286	Savoy Drumhead .	.05	.25	.95	1.80	3.50
307	Glory of Enkhuizen .	.10	.25	.95	1.80	3.50
300	Hollander or Ballhead .	.10	.35	1.20	2.35	4.50
298	Premium Late Flat Dutch .	.10	.30	1.10	2.10	4.00
297	Red Hollander .	.10	.30	1.00	2.00	3.50
304	Stone Mason Marblehead .	.10	.25	.95	1.80	3.50
30	Main Crop Tenderheart .	.15	.35	1.20	2.35	4.50

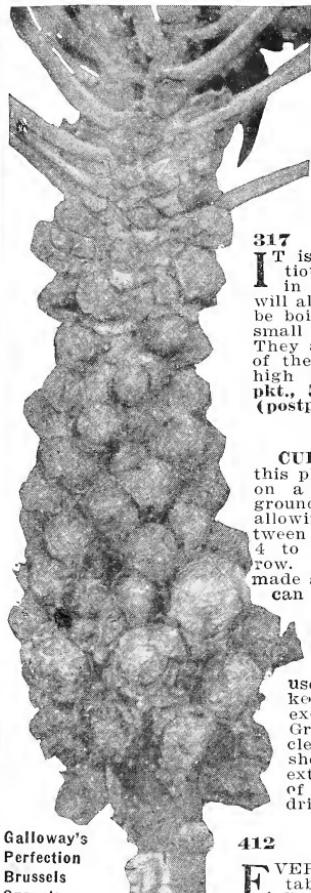
## Savoy Cabbage Drum Head



286

**T**HIS is by far the best of all Savoys. nice, medium solid, crisp heads, few outer leaves, flavor sweet and nutty, a very delicious vegetable for the table. No garden is complete without a patch of the Galloway Savoy cabbage. Price, large pkt., 5c; 1 oz., 25c; 1 lb., \$3.50; postpaid.

**ORDER  
EARLY**



Galloway's  
Perfection  
Brussels  
Sprouts

### Borecole or Kale

327—Scottish Favorite

THE seed of this choice vegetable we import direct from Europe in order to insure getting the right kind of seed. This plant, in addition to its usefulness as a vegetable, is also quite an ornament owing to its attractive dense and fern-like foliage. It is cooked in the same way as cabbage, but is preferred by many owing to its distinct and pleasing flavor. It has the distinction of being quite hardy in all but the extreme northern states. If the leaves at the top are cut during the early winter it will greatly encourage the growth of the young shoots upon the stem. Price, large pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 50c;  $\frac{1}{2}$  lb., 85c; 1 lb., \$1.50 (postpaid).

# Brussels Sprouts

A PACKET or two of Brussels Sprouts seed thinly scattered in a row in good warm ground as early as possible when danger of frost is over can be transplanted when the young plants begin to crowd each other and will give you a fine lot of splendid food. You can use same culture as for early or late cabbage, if you like. Seed should be sown a few days earlier and when plants are set out they should be 15 in. apart in rows 2 ft. apart. One ounce of seed will sow 200 ft. of drill. Matures in about 120 to 150 days.

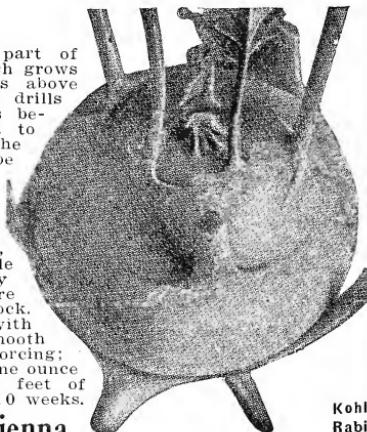
317

### Galloway's Perfection ★

IT is surprising to note how few people grow this fine, nutritious and palatable vegetable. It certainly is worth a place in every home garden and we are sure when once grown they will always remain prime favorites with the household. They may be boiled like cabbage or cooked in cream like cauliflower. The small cabbage-like heads are usually boiled and served whole. They are in every way the most delicious and delicately flavored of the cabbage family. They usually grow from 2 to  $2\frac{1}{2}$  feet high and are covered with miniature cabbages. Price, large pkt., 5c; 1 oz., 20c;  $\frac{1}{4}$  lb., 60c;  $\frac{1}{2}$  lb., \$1.10; 1 lb., \$2.00 (postpaid).

### Kohl Rabi

CULTURE—The edible part of this plant is the bulb, which grows on a stalk a few inches above ground. Sow the seed in drills allowing 16 to 18 inches between the drills, and thin to 4 to 6 inches apart in the row. First sowing may be made as soon as the ground can be worked in the spring, and successive sowings repeated later. When young and tender, they are fine for table use; when matured, they keep splendidly and are excellent feed for stock. Greenish white outside with clear white flesh; smooth short leaf, good for forcing; extra fine in quality. One ounce of seed will sow 300 feet of drill. Matures in 8 to 10 weeks.



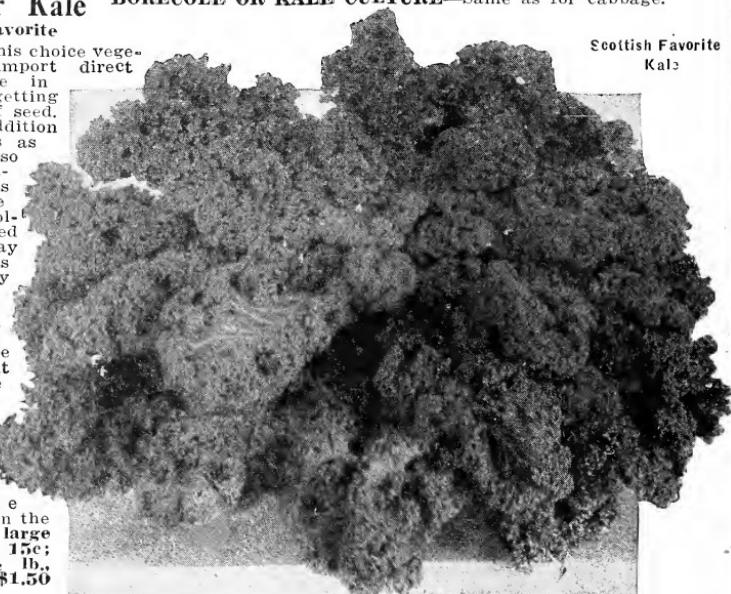
Kohl  
Rabi

412

### Early White Vienna

EVERYBODY'S favorite. The very best early Kohl Rabi for table use. Price, large pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 50c; 1 lb., \$1.75, postpaid.

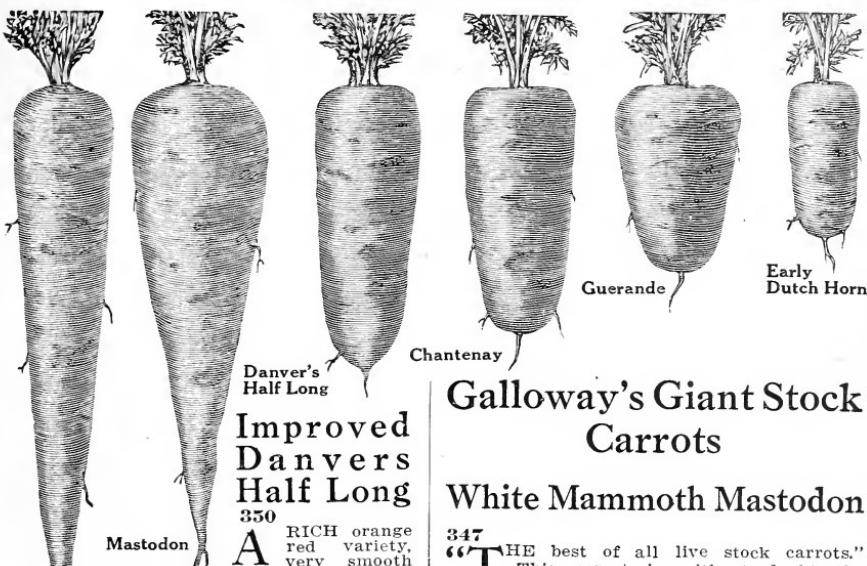
**BORECOLE OR KALE CULTURE**—Same as for cabbage.



Scottish Favorite  
Kale

# Carrots

Every Standard Sort  
for Garden and Field



## Improved Danvers Half Long

**350** A RICH orange red variety, a very smooth and handsome, producing very heavy crops; a fine market variety; flesh is very sweet, crisp and tender. Although a garden variety, it produces more bulk to the acre than many of the field varieties and has the special merit of succeeding in almost all soil conditions. Price, large pkt., 5c; 1 oz., 20c;  $\frac{1}{4}$  lb., 60c; 1 lb., \$2.00 (postpaid).

Orange  
Dreadnaught

## Galloway's Improved Chantenay

**353** THE best carrot for table use, rich orange in color and of delicious flavor, owing to its attractiveness it is especially suited to the market gardener. Price, large pkt., 5c; 1 oz., 20c;  $\frac{1}{4}$  lb., 60c; 1 lb., \$2.00 (postpaid).

## Orange Giant Dreadnaught

**348** THERE is no stock carrot anywhere that can surpass The Orange Giant Dreadnaught in size, in yield or feeding qualities. It is an exceedingly heavy cropper, yielding as high as 20 to 40 tons per acre. It can be depended upon to produce good crops almost all soils, but will produce record-breaking crops on soils that are rich; the roots grow well out of the ground, making them easy to gather. A few acres of this fine dairy stock carrot should be raised on every farm. There is no crop that pays better returns. Price, large pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 50c; 1 lb., \$1.75 (postpaid).

## Guerande or Ox Heart

**355** THE quality of Guerande or Ox Heart is exceedingly good, being of a firm texture and remarkably sweet. It is an ideal carrot for table use and certainly should be grown where land is shallow, as it thrives much better under those soil conditions than the longer types of carrots. Price, large pkt., 5c; 1 oz., 20c;  $\frac{1}{4}$  lb., 60c; 1 lb., \$2.00 (postpaid).

Price Table on Carrots—All Sorts

No.	Name	Pkt.	Oz.	$\frac{1}{4}$ lb.	$\frac{1}{2}$ lb.	lb.
353	Chantenay	\$ .05	\$ .20	\$ .60	\$ 1.10	\$ 2.00
350	Danver's Half Long	.05	.20	.60	1.10	2.00
352	Early Dutch Horn	.05	.20	.60	1.10	2.00
349	James' Scarlet Intermediate	.05	.15	.50	.90	1.75
S3	Little Wonder (see p. 20)	.10	.25	.70	1.35	2.50
351	Long Orange	.05	.20	.60	1.10	2.00
354	Nante's Half Long	.05	.20	.60	1.10	2.00
348	Orange Giant Dreadnaught	.05	.15	.50	.90	1.75
40	Orange Prince (See p. 18)	.10	.20	.70	1.35	2.50
355	Ox Heart or Guerande	.05	.20	.60	1.10	2.00
347	White Mastodon	.05	.15	.50	.90	1.75

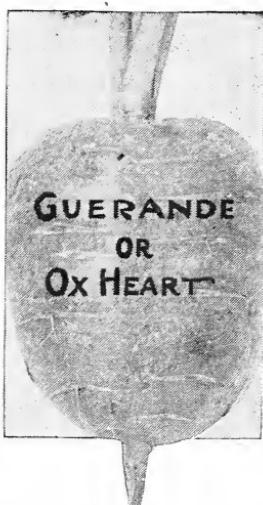
# Carrots

## Galloway's Giant Stock Carrots

### White Mammoth Mastodon

**347**

"THE best of all live stock carrots." This carrot is without doubt the most productive variety for stock. The quality of Mastodon carrot is A-1. In size they often obtain to 5 and 6 pounds each in weight. The shape of Mastodon carrot is such that it is easily harvested by hand, being a stout conical root with a heavy shoulder and scarcely any lateral roots. They do not break easily in pulling or while being handled. Their weight, color, and perfectly uniform shape attracting everyone's attention. Fine for horses, cattle and milch cows. Use 7 to 10 pounds of carrots with grain and dry fodder. This constitutes a perfect ration. If you are a stock keeper grow this valuable stock feed. This seed is imported from Europe. Price, large pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 50c; 1 lb., \$1.75 (postpaid).



# Sweet Corn

## Grow More Sweet Corn! Cut The High Cost of Living!

**CULTURE**—Seeds of Sweet or Sugar corn, being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm. For a succession, continue planting every two weeks until the middle of July, in rich, well-manured ground, in hills three feet apart each way, covering about half an inch; and thin out to three plants to a hill. The extra early varieties can be planted 18 inches apart in the rows, the rows being 30 inches apart. One quart of seed corn plants 200 to 300 hills; one peck will sow an acre in hills.

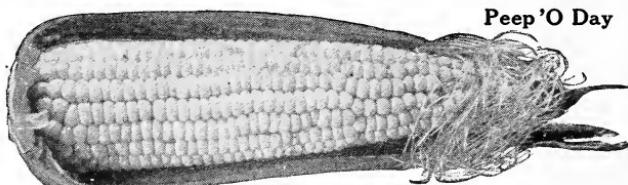
365

### Peep 'O Day ★ Extra Early

**T**HE earliest of all Sweet corn, and on this account especially adapted to Northern latitudes where other varieties are hard to grow. It is a pure white color, tender, juicy and sweet. It is perhaps the best kind for the home garden, owing to its earliness. Almost everyone looks forward to their first picking of Sweet Corn; and if you put in a batch of Peep O'Day you certainly will be able to satisfy your desires for early corn. Our Peep O'Day sweet corn is pure, genuine and unadulterated and can be relied upon to give you entire satisfaction.

Peep 'O Day

Price, large pkt., 5c;  
pt., 40c; qt., 70c (postpaid).



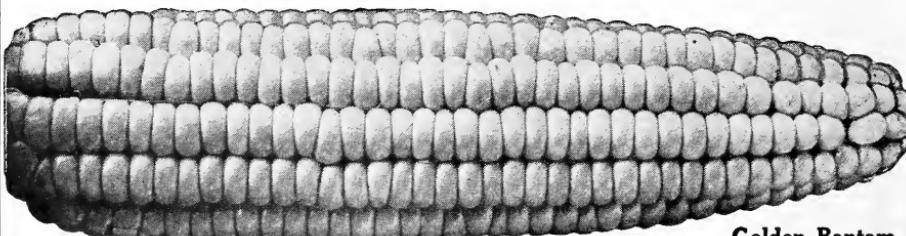
### 368 Early Evergreen ★ One of the Best Second Early Sweet Corns

**T**HIS is a very popular sweet corn. It is in the second early class, comes to maturity full 10 to 12 days earlier than Stowell's Evergreen and yields large handsome ears of most delicious flavor. It has a ready sale in the market on account of its handsome appearance and earliness.

Price, large pkt.,  
5c; pt., 40c; qt.,  
70c (postpaid).

### 372 Yellow Early Golden Bantam ★ Extra Sweet

**T**HE most popular of all the early sweet corns. The demand for Golden Bantam is enormous, and great difficulty is experienced by seed houses in keeping the supply equal to the demand. It is rapidly taking the place of the white and older varieties on account of its superior quality. Golden Bantam is the richest in flavor of all the sweet corns. Its pale, creamy yellow kernels are delicious and sweet. Price, large pkt., 15c; pt., 45c; qt., 85c (postpaid).



Golden Bantam

# Stowell's Evergreen ★ King of the Late Corns Finest of Canners

366

**T**HIS variety has for many years stood at the head of the list of late sweet corn. For main late crop for the family garden or for the market gardener and farmer it cannot be excelled. It remains in good condition a long time after gathering, thus continuing in season after frost. This corn is distinguished by the large ear, the long deep kernels, its rich, sugary flavor and its long keeping qualities. There is perhaps more Stowell's Evergreen sweet corn sold for late planting than all the other late varieties put together.

When you get Stowell's Evergreen from us you get the genuine thing, and the absolutely best that money can buy. Our seed is true to name, having been very carefully selected especially for us. Price, large pkt., 5c; pt., 40c; qt., 70c (postpaid).



Stowell's Evergreen



Country Gentleman

## 367 Country Gentleman Main Crop Late

**W**ITHOUT doubt one of the best of the late varieties. It is the most luscious of all the sweet corns. The plump white kernels are of great depth, most delicious and the flavor will delight even an epicure. It remains tender and fit for use longer than most other sorts as the ear is enclosed in a thick husk which keeps it "in the milk." The ears average nine inches in length and are borne from two to five, and sometimes six, on each stalk. The cob is small and very closely packed from tip to butt with slender, pure white kernels of the finest quality. It comes as true to type as any sweet corn we know of. If you desire a really delicious late white sweet corn, you certainly should try Country Gentleman; we know it will please you. Price, large pkt., 10c; pt., 45c; qt., 85c (postpaid).

## 375 Extra Early White Cory Sweet Corn

**O**NE of the earliest varieties, well and favorably known in all parts of the country. It succeeds well where the seasons are short, and can be recommended for general planting. Ears 6 inches long, with 8 rows of broad grains. Price, large pkt., 5c; pt., 40c; qt., 70c (postpaid).

## Pop Corn

### Monarch White Rice

### Tom Thumb

#### 370 Something Good for the Boy's Garden.

**T**HIS variety is the best for popping. The ears are large sized, very handsome and productive, excellent quality, very crisp and delicious. It is a very profitable crop to grow, yielding at the rate of 8 to 10 tons per acre of shocked corn. Thousands of tons of White Rice Pop Corn are annually sold for popping purposes. Price, large pkt., 5c; 1 lb., 25c; 2 lbs., 40c (postpaid).

#### 374 (Dwarf)

**T**HE Tom Thumb is a dwarf growing White Rice pop corn. It is a heavy yielder and very attractive. Is ready for popping soon after it is husked and does not have to dry until the second year, like other varieties. It is almost hullless and when popped there is absolutely no hard center. Ears are very uniform in size and nearly white in color. Price, large pkt., 5c; 1 lb., 25c; 2 lbs., 40c (postpaid).

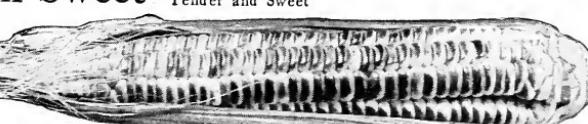


Tom Thumb

## Black Mexican Sweet

369

**O**NE of the best medium early varieties. Although when ripe, the kernel is dark bluish or black; when ready for the table, it is white. It is of especially fine sweet flavor and very tender. The cobs have ten rows of kernels and this variety fills well. Price, large pkt., 5c; pt., 40c; qt., 70c (postpaid).



Black Mexican

Condensed Table of Prices on Above and Other Varieties of Sweet Corn

No.	Name	pkt.	pt.	qt.
369	Black Mexican . . . . .	\$.05	\$0.40	\$0.70
367	Country Gentleman (see page 21) . . . . .	.10	.45	.75
368	Early Evergreen . . . . .	.05	.40	.70
51	Early Sunrise . . . . .	.10	.45	.85
372	Golden Bantam . . . . .	.15	.45	.85
373	Howling Mob (see page 12) . . . . .	.15	.45	.85
365	Peep of Day . . . . .	.05	.40	.70
52	Pride of the West . . . . .	.10	.45	.85
366	Stowell's Evergreen . . . . .	.05	.40	.70
375	Extra Early White Cory . . . . .	.05	.40	.70

## Pop Corn

No.	Name	pkt.	1 lb.	2 lbs.
374	Tom Thumb . . . . .	\$.05	\$0.25	\$0.40
370	White Rice . . . . .	.05	.25	.40

# Cucumbers

A Page of New and Old Fashioned Standbys

## Early Fortune ★ Early

See page 13 for this splendid new cucumber. We have never offered it before but it has been tried and proven in the best trial grounds and gardens.

## Galloway's Dandy ★ Main Crop

See page 20 for this fine cucumber. It has been one of our leading sellers for years. Complete description given on this page. Include a packet in your order.

## White Spine Improved ★ Early

### 383 (A Great Slicing Kind)

**A**N extra early, exceedingly prolific and continuous bearing variety. The shape is unequalled, being rather longer than most sorts; the color is a beautiful dark green, shading off a little paler toward the bloom end. It is one of the best cucumbers for slicing and general use. The flesh is firm and crisp.

The seed we offer has been taken from fruit selected for its ideal form, uniformity of size, shape and color and general appearance; an excellent variety either for the greenhouse or outdoor cultivation. Price, large pkt., 10c; 1 oz., 15c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.25, postpaid.



Davis Perfect—Medium to Late

### 386

**T**HIS cucumber has the merit of being not only a first-class variety for forcing under glass, but is equally as good for outdoor planting. The color is a dark, glossy green; in shape it is smooth and symmetrical with an average length of 10 to 12 inches. It is very tender and of exceptionally good flavor. For shipping it is unsurpassed. Price, large pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 35c; 1 lb., \$1.00, postpaid.

## 384 Short Green or Early Frame

**T**HIS is the very best standard pickling variety. Also good for family use for slicing and pickling. A good variety for successive sowing; fruits straight and handsome, smaller at each end, bright green, flesh tender and crisp, and makes fine pickles. Price, large pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 35c; 1 lb., \$1.00, postpaid.



## Champion Pickler ★ Main Crop Pickler

### 385

**T**HIS is the best known pickling variety and is used almost exclusively by the great pickling factories because of its size and uniformity. It can be relied upon to produce an abundant crop of small, hard and crisp fruits, right through the season, if they are picked when ready and not allowed to ripen on the vine. A small packet of Galloway's Champion Pickler cucumber will grow enough cucumbers to keep a good-sized family from one season to another. Price, large pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 35c; 1 lb., \$1.00, postpaid.



## Cucumber Culture

**C**UCUMBERS succeed best in rich, loamy soil. As soon as the weather becomes warm and settled, plant in hills 4 to 6 feet apart each way, with 10 to 12 seeds in a hill; cover  $\frac{1}{2}$  inch deep. Air-slaked lime and wood ashes sprinkled on the plants every few days, as soon as they are up, will protect them from the Striped Beetle. When all danger from insects is past, thin out plants, leaving 3 or 4 of the strongest to each hill. The fruit should be picked when large enough, otherwise it destroys their productiveness. One ounce of seed to 50 hills; two to three pounds per acre. Matures in 60 to 90 days.

## Condensed Table of Prices on Above and Other Varieties

No.	Name.	Pkt.	Oz.	$\frac{1}{4}$ Lb.	Lb.
385	Champion Pickler	\$0.05	\$0.15	\$0.35	\$1.00
81	Dandy Special (See Page 20)	0.10	0.20	0.50	1.50
386	Davis' Perfect	0.05	0.15	0.35	1.00
46	Extra Early Conqueror	0.10	0.20	0.50	1.50
388	Early Fortune Special (See Page 13)	0.15	0.30	...	...
387	Japanese Climbing	0.05	0.25	0.35	1.00
382	Improved Long Green	0.05	0.15	0.35	1.00
384	Short Green or Early Frame	0.05	0.15	0.35	1.00
383	White Spine	0.10	0.15	0.40	1.25

## Improved Long Green



## Imported Golden Self Blanching★

**397 (Fine French Imported Seed)**

**T**HIS celery originated in France and has become the leading variety in America for all purposes. The quality is the very best, being solid, tender, crisp, with a soft golden yellow color. The flavor is delicious, crisp and nutty. In habit it is dwarf, stocky, uniform in height and very compact. It is entirely free from stringiness. We stock only the French grown seed, raised by one of the best known celery raisers. Price, large pkt., 10c; 1 oz., \$1.00;  $\frac{1}{4}$  lb., \$4.00 (postpaid).

## 399 Solid Crystal White★

**A**S a solid white variety it has no equal. The heart is full and solid and the inner and outer stalks are a pure white color. The flavor of this celery is delicious and is bound to please the most critical. Our seeds are especially imported French stock, and can be relied upon to give entire satisfaction. Price, large pkt., 5c; 1 oz., 30c;  $\frac{1}{4}$  lb., \$1.00 (postpaid).

### Celeriac

#### 402 Turnip-Rooted Celery.

**T**REAT the seeds and plants the same as recommended for celery, with the exception that it is customary to set the Celeriac plants in rows one foot apart. The roots are preserved for use in winter by storing in moist sand in the cellar. Price, large pkt., 5c; 1 oz., 30c;  $\frac{1}{4}$  lb., \$1.00 (postpaid).

### Winter Queen

**400** ONE of the best winter varieties, and we recommend it especially to market gardeners. It is tall and forms a large bunch. The leaves are light green, which blanch to a creamy white. Grows a thick and solid, heavy stock, with a large heart. Price, large pkt., 5c; 1 oz., 30c;  $\frac{1}{4}$  lb., \$1.00 (postpaid).



White Plume

Price, large pkt., 5c; 1 oz., 30c;  $\frac{1}{4}$  lb., \$1.00 (postpaid).

### White Plume

#### 401

**A** comparative-  
ly easy variety,  
as it is fairly  
hardy; and, being  
naturally white, is  
easy to blanch. The  
leaves are also white,  
tinted with green at  
the tips. Forms a  
medium-sized bunch  
and is fairly tall.  
Early variety. Price,  
large pkt., 5c; 1 oz.,  
30c;  $\frac{1}{4}$  lb., \$1.00 (postpaid).

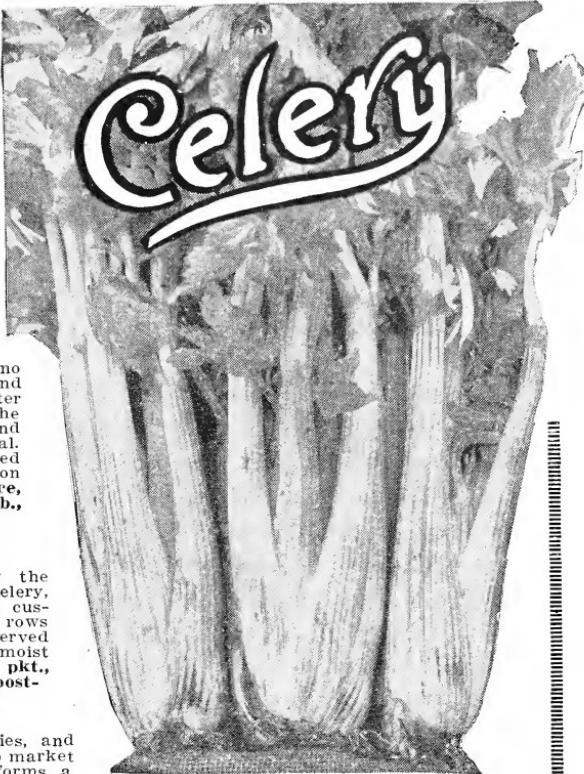
### Table of Prices of Above and Other Standard Varieties of Celery

#### CELERY

	Pkt.	Oz.	$\frac{1}{4}$ lb.
402 Celeriac . . . . .	\$0.05	\$0.30	\$1.00
399 Crystal White . . . . .	.05	.30	1.00
398 Giant Pascal . . . . .	.05	.30	1.00
397 Golden Self Blanching (See page 16) . . . . .	.10	1.00	4.00
47 Solid Ivory . . . . .	.10	1.00	4.00
401 White Plume . . . . .	.05	.30	1.00
400 Winter Queen . . . . .	.05	.30	1.00

#### EGG PLANT

	Pkt.	Oz.	$\frac{1}{4}$ lb.
423 Black Beauty . . . . .	.05	.50	1.50
49 Black Chief (See page 21) . . . . .	.10	.50	1.50
422 New York Purple . . . . .	.05	.50	1.50



Imp. Golden Self Blanching

### Black Chief★

**BLACK CHIEF.** See page 21 for complete description of this splendid egg plant, a decided improvement over old purple types.

#### 422 New York Improved Purple

**T**HIS is the leading Egg Plant for home and market. The plant is very vigorous growing. The fruit is large, fine, and free from thorns, and can be depended upon to produce until frost. The skin is a rich deep purple and the flesh is white and of good flavor. Price, large pkt., 5c; 1 oz., 50c (postpaid).

### Black Beauty

**R**ICH purple black in color and a remarkable market variety. Is early and makes also a fine sort for the home garden. Price, large pkt., 5c; 1 oz., 50c (postpaid).



428

**P**RODUCES immense heads, solid as a cabbage. The heart blanches beautifully, being crisp, tender and delicious. A robust variety; it roots deeply, thus is able to resist hot, dry weather. It is especially popular in California, where it is known as Los Angeles Lettuce. A desirable standard summer lettuce. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00 (postpaid).

#### Black Seeded Simpson

435

**M**UCH larger than ordinary Simpson; produces a compact mass of leaves, light color, crisp and nutty. Few lettuces are more widely known than Simpson's Black Seeded. It is an excellent sort, either for forcing under glass or for the open ground; a good heat resister and remains long in edible condition. We strongly recommend Black Seeded Simpson. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00 (postpaid).

#### Big Boston ★

432

**A** VERY desirable large variety. Plants large, hardy, vigorous. Leaves broad, smooth, thin, of a light green color. It forms good-sized heads and does particularly well during the cool fall and spring months. Heads of a pleasing light-green color, firm and of superior quality. When grown in cold-frames, the heads are not as tight as when grown outside. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00 (postpaid).

#### 433 May King ★

**I**T has solid heads and will bear transportation better than almost any other variety. For early spring planting in the open ground or under glass it is unequalled. The plants grow 6 to 7 inches in diameter and the outer leaves are so closely folded that the plant is practically all head. The outer leaves slightly tinged with brown, the heart is a bright yellow. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00 (postpaid).

#### Improved Hanson

429

**T**HE Hanson is one of the crisp heading sorts, in all respects one of the very best outdoor varieties for both the professional and amateur gardener. This variety is very hardy, and will stand extremes of weather better, perhaps, than any other of the "crisp heading" sorts. The head, which attains a large size, is hard, tender and crisp. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00 (postpaid).

#### 430 Galloway's Pride of Iowa ★

**W**ITHOUT doubt this is the best of all the head lettuces. An ideal variety for early spring planting. It is very hardy and will stand extremes of weather better than any other variety. The heads cut for market can be kept fresh for a long time. We strongly urge lovers of head lettuce to give Pride of Iowa a trial. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00 (postpaid).



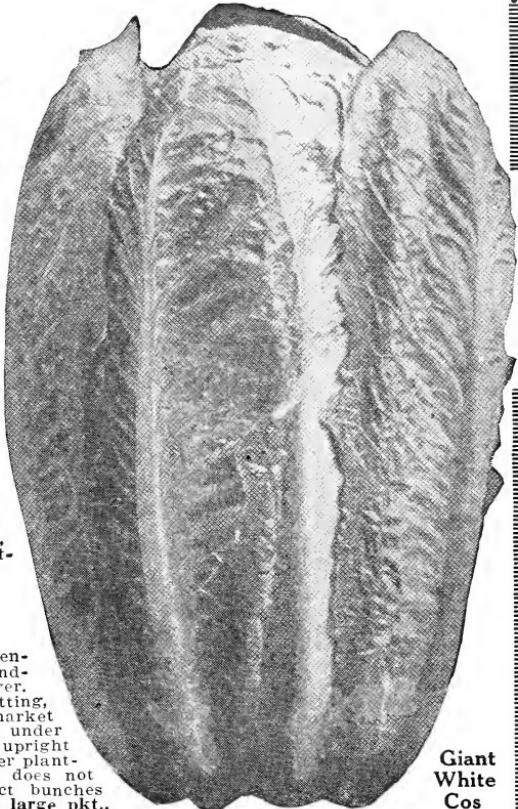
#### Big Boston

Here is half a head of well grown Big Boston lettuce. Should be in every garden.

# Giant White Cos Lettuce ★

**436 Solid as a Rock—Try It In 1918**

**A**s a solid lettuce it is without an equal. The Giant White Cos is the finest and most highly selected White Cos lettuce in cultivation. It is of large size, perfect form, self-folding, and very crisp. Hardly ever known to run to seed. Price, large pkt., 10c; 1 oz., 15c;  $\frac{1}{4}$  lb., 45c; 1 lb., \$1.50 (postpaid).



**Giant  
White  
Cos**

## Grand Rapids ★

**431**

**T**HE most popular variety for green-house or frames. It is of handsome appearance; a strong grower. Will remain fresh a long time after cutting, making it especially suitable for the market growers. It will make a quick growth under adverse weather circumstances. Its upright habit of growth will permit of much closer planting than is usual with lettuce plants; does not form heads; but makes large compact bunches of light, crisp, delicious leaves. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00 (postpaid).



**Wayahead**

**434**

**F**ORMS a large tender, crisp, loose head of bright green, crimped leaves, tinged with brownish red; of superior flavor, remaining sweet; slow to seed. A splendid variety for forcing or open ground. One of the finest lettuces for all the year round use. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00 (postpaid).

## Prizehead ★

**427**

**Black Seeded Tennis Ball**

**O**NE of the best for outdoor planting. Plants medium sized, having thick, dark green leaves. When grown, forms solid heads which are crisp and tender. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00 (postpaid).

**437**

## Wayahead ★

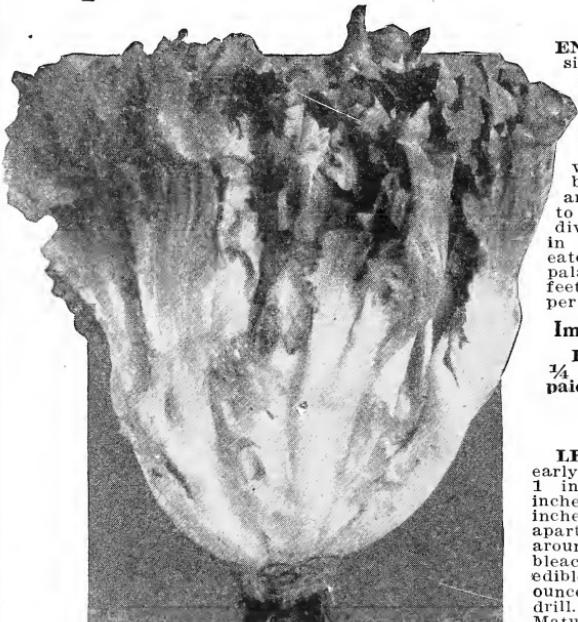
**437**

**O**NE of the earliest and surest-heading varieties; crisp, tender and of excellent flavor. Valuable for growing in frames. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00 (postpaid).

## Lettuce

No.	Name	pkt.	oz.	$\frac{1}{4}$ lb.	lb.
432	Big Boston . . . . .	\$0.05	\$0.10	\$0.30	\$1.00
S2	Big Chief (see page 19) . . . . .	.10	.15	.55	2.00
433	Black Seeded Simpson . . . . .	.05	.10	.30	1.00
427	Black Seeded Tennis Ball . . . . .	.05	.10	.30	1.00
431	Grand Rapids . . . . .	.05	.10	.30	1.00
429	Hanson Improved . . . . .	.05	.10	.30	1.00
433	May King . . . . .	.05	.10	.30	1.00
428	New York . . . . .	.05	.10	.30	1.00
430	Pride of Iowa . . . . .	.05	.10	.30	1.00
434	Prizehead . . . . .	.05	.10	.30	1.00
48	Summer Favorite . . . . .	.10	.15	.45	1.50
437	Wayahead . . . . .	.05	.10	.30	1.00
436	Giant White Cos . . . . .	.10	.15	.45	1.50

# Improved Extra Green Curled Endive



**ENDIVE CULTURE**—For a succession of crops from summer to winter, sow in May, June, July and August. As the plants get about 6 inches high, plant out in shallow trenches about one foot apart each way; water when planted and keep moist until well established; tie them up to blanch as they get to full growth, and cover them with hay or straw to protect them from frost. Endive is more useful as a salad late in the year; the leaves are also eaten when boiled, and are very palatable.  $\frac{1}{4}$  ounce will sow 100 feet of drill.  $4 \frac{1}{2}$  pounds of seed per acre. Matures in about 90 days.

## Improved Extra Green Curled

Price, large pkt., 5c; 1 oz., 15c;  
 $\frac{1}{4}$  lb., 45c; 1 lb., \$1.50 (postpaid).

## Leek

**LEEK CULTURE**—Sow seed in early spring in rows 1 foot apart and 1 inch deep. When plants are 6 inches high, transplant to rows 12 inches apart, setting plants 6 inches apart; as they grow, draw the soil up around them. This process tends to bleach the Leek, and to make the edible portion more palatable. One ounce of seed will sow 100 feet of drill. Four pounds of seed per acre. Matures in 120 to 140 days.

## Herbs Medicinal and Culinary

Herbs delight in a rich, mellow soil. Sow in early spring in shallow drills 1 foot apart; cover lightly with fine soil, and when up a few inches thin out, or transplant into prepared beds. Care should be taken to harvest properly. Do this on a dry day, just before they come into full blossom; dry quickly in the shade, pack closely in bottles or dry boxes to exclude the air.

417 Dill, pkt., 5c; oz., 15c. \* Thyme, pkt., 5c; oz., 30c. \* Sage, nkt., 5c; oz., 15c.

Varieties in the list marked with a star (\*) are perennials.

## Okra or Gumbo

533 (White Velvet or Creole) THE pods of this variety are very free from ridges, being almost perfectly smooth; they are tender and very light green, almost white in color. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 30c (postpaid).

**BEWARE OF THE EARLY FROST**—In this latitude we usually get a killing frost about the middle of September, which kills off our Tomatoes, Cucumbers, Melons and other tender plants; usually we do not get another frost for two or three weeks, sometimes longer. Tender plants can be saved from this first frost by covering them with cheese cloth, burlap or paper; it's wonderful what a lot of frost paper will keep off your plants. It is best to tack the paper, etc., onto light frames to keep it off the plants. By protecting your plants from this early frost, you may be able to save a very valuable part of your garden crop.

## Kelway's Prodigy Leek

407 IT is very hardy and of fine flavor. It has been tried side by side with all the best advertised sorts, and has beaten them all. It produces immense stems of deliciously flavored well-blanced leaves. Specimens have been grown weighing upwards of four pounds each. No garden should be without a patch of this fine vegetable. Price, large pkt., 5c; 1 oz., 20c;  $\frac{1}{4}$  lb., 70c; 1 lb., \$2.50 (postpaid).

## WATER THOROUGHLY —

Much harm is done to garden crops by insufficient watering. When the soil is watered only sufficiently to wet the soil an inch or two, the roots are encouraged to grow near the surface, thus exposing them to the heat of the sun and the danger of being destroyed by the hoe. One thorough, good watering each week is better than mere surface watering every day.

Keokuk, Iowa,  
 January 11, 1917.

We want to get some seeds from you, as we had excellent luck with the seeds we got from you last year.

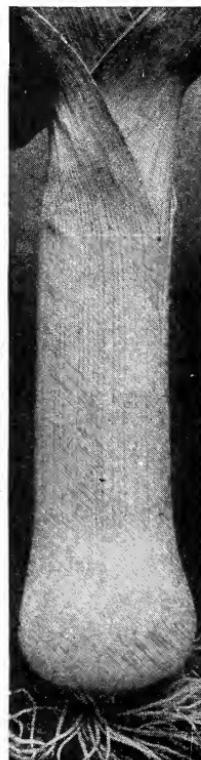
Mr. E. J. Reichmann,  
 1329 Morgan St.

Vesta, Minn.

February 19, 1917.

Last year we sent for all of our seeds to your house, and I never had such a good stand before. I think it pays big to buy seeds you know will grow.

Louis A. Fuhr.



Leek

# Parsnips

Waterloo  
Marrow  
Parsnip



## 501 Waterloo Marrow ★

**A** REALLY fine parsnip. It is clean, smooth, and well-shaped. Its flavor is unusually marrow-like and delicate. In our opinion it is the best strain of parsnip in cultivation. It is a perfectly clean root and has none of that objectionable coarseness so often found in the commoner varieties. Price, large pkt., 10c; 1 oz., 20c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.35 (postpaid).

## 500 Hollow Crown

**T**HE old, well-known variety, grown by market gardeners the world over; fine shape, crisp and of very fine flavor. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00 (postpaid).

## Parsley

**CULTURE**—Parsley is used for seasoning soups, stews, salads, and also for garnishing. Succeeds best in a rich, mellow soil. As the seeds germinate very slowly, 3 or 4 weeks sometimes elapse before it makes its appearance. Sow early. One ounce will sow about 150 feet of drill.

### Champion Dwarf Moss Curled ★

**522 T**HE habit of this parsley is distinctly dwarf, but very close and compact and beautifully curled. For garnishing and culinary purposes we proclaim it the very best in cultivation. The leaves are a beautiful dark green color. Price, large pkt., 5c; 1 oz., 12c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00 (postpaid).

### Turnip Rooted or Hamburg

#### 523

**T**HE edible portion is the fleshy root, which resembles a small parsnip, and is esteemed for flavoring soups, stews, etc. The flesh is white, a little dry with the flavor of Celeriac. The foliage is the same as the plain parsley. Price, large pkt., 5c; 1 oz., 12c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00 (postpaid).

Champion  
Dwarf  
Moss  
Curled  
Parsley

## Pumpkins

### 511 Kentucky Field or Large Cheese ★

**A**FINE sort for family and market use, and is also grown extensively for stock feeding. Grows about 2 feet in diameter. There are two Kentucky field pumpkins on the market. The old or common, and the improved large cheese. Ours is the improved stock, and it's true. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c (postpaid).

## Sugar or Pie ★

**S**MALL, round, flattened, prolific, deep orange yellow, sweet and of very fine quality. The best for pies. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 85c (postpaid).

## Rhubarb

### 630 Victoria

**A**Bсолutely the best either for forcing or for outdoor culture. A good many "fake" new varieties of this popular plant have been thrown upon the market during the past few years; but that Victoria is the best all round rhubarb. When grown out of doors the stems are a nice rich red color; when forced under greenhouse stages, the stems are much paler, and during the winter months fetch high prices. Price, large pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00 (postpaid).



# MUSKMELONS



**CULTURE**—A rich, sandy soil and good seed are absolutely necessary for success in raising the best muskmelons. The seed should not be planted until the ground has become dry and warm; plant in hill 6 feet apart each way; old-well-rotted manure should be thoroughly mixed with the soil in each hill and in liberal quantity. Put 6 to 10 seeds in the hill; and when danger from insects is past, leave 3 or 4 of the strongest plants in the hill. Musk or Cantaloupe melons may also be sown in rows, that are made about 6 feet apart; and when the plants are well up, thinned to stand in hills 5 to 6 feet apart, just before the plants begin to run. This method insures a good stand of plants in spite of the bugs. Remember that you cannot work your soil too much. Pinch the first blossoms to promote fruitfulness, leaving three-fourths of them on the vines and pinch the end of the vines to retard growth and throw the strength into the fruit. One ounce of seed will plant 60 hills; 2 to 3 pounds will sow one acre. Matures in 90 to 110 days.

## Eden Gem

**54**  
THIS strain of Rockyford Cantaloupe is favorably known in nearly all sections where Rockyfords are grown. It is a heavy yielder; nearly all the melons are solid net. The meat is deep and of excellent quality. The melons run standard size, there being but few too large and less too small. Price, large pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 50c; 1 lb., \$1.75 (postpaid).

## Extra Early Wonder

**55** **Musk Melon**  
ITS extraordinary earliness, its solid and sweet meat which can be eaten right to the rind, its extraordinary yields of handsome, close netted, uniform fruits make it a wonder in every sense of the word. The flesh is a rich, deep green in color, firm and crisp, is a splendid keeper and on this account alone is an ideal melon for the market. It ripens fully two weeks earlier than any other variety. The plants are exceptionally vigorous, the fruit sets early, and the crop matures in a very short time. Such quality melons cannot fail to please. Price, large pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 50c; 1 lb., \$1.75 (postpaid).

**HONEY DEW.\*** See page 15 for description of our Honey Dew melon, the most famous of recent melon novelties.

**HOODOO.\*** See page 19 for one of our Extra Specials, the Hoodoo muskmelon.

## Osage or Miller's Cream

**465**  
THE flesh is salmon color and very luscious flavor. The flesh is exceptionally thick, there being scarcely any cavity in the center of the largest fruit. A favorite variety for the later markets. Price, large pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 50c; 1 lb., \$1.75 (postpaid).

Osage or  
Miller's  
Cream  
Musk Melon

## Burrell's Gem

**468**  
THE meat is rich golden color, very thick, and fine grained. The flavor cannot be excelled. The rind is covered with a closely-laced gray netting, except the narrow strip between the ribs, which is not netted. The blossom end is well protected. Shape oblong, averaging 6 inches long and tapering at the ends. It is an excellent shipper. Price, large pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 50c; 1 lb., \$1.75 (postpaid).

Burrell's  
Gem  
Musk Melon

Preston, Idaho.  
January 18, 1917.

I bought my garden seed from you last spring and was very much pleased with it.

Chris Peterson,  
R. No. 2, Box 42A.

Reform, Ala.,  
September 3, 1917.

I am writing to let you know what a noble crop of Watermelons I got this season. They are so large that it—hustles a man to pick up one; they weigh 40 to 75 pounds. I don't want any other seed but your seed. My garden seed was fine; the cabbage was the finest in this part of the country.

Ruth Cook, Box 21.

## Extra Early Hackensack

Hardy Sweet  
Quick Grower

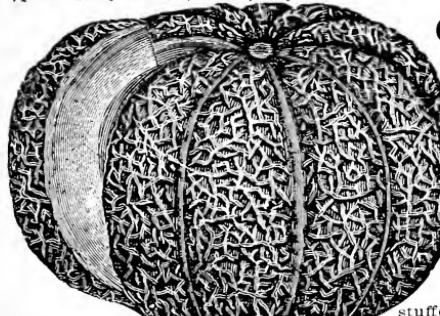
Early Hack-  
ensack

**464** PRODUCTIVE and profitable strain of the old Hackensack. The new form is about two weeks earlier, and almost of equal size; the melons weighing from 5 to 10 pounds each. In shape and color it is similar to the parent, the difference being in point of earliness, which is sufficient to commend it to market gardeners. It is a round melon, flattened at the ends and ribbed. The skin is netted; and the flesh, which is green, is rich and very sweet. Price, large pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 50c; 1 lb., \$1.75 (postpaid).

## Paul Rose or Petoskey

466

**O**WING to its superiority as a shipper, its sweet, rich red and fine flavored meat, its uniform size (about 5 inches in diameter), shape, appearance and color (light green or faint golden) it is a favorite of the market grower. Price pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 50c; 1 lb., \$1.75 postpaid.



Giant  
Montreal

No.	Name	pkt.	oz.	$\frac{1}{4}$ lb.	lb.
470	Banana	\$0.05	\$0.15	\$0.50	\$1.75
468	Burrell's Gem	.05	.15	.50	1.75
464	Early Hackensack	.05	.15	.50	1.75
54	Eden Gem	.05	.15	.50	1.75
55	Extra Early Wonder	.05	.15	.50	1.75
467	Giant Montreal	.05	.15	.50	1.75
469	Henderson's Bush	.10	.25	...	...
462	Honey Dew (see page 15)	.15	.40	...	...
53	Hoodoo (see page 19)	.10	.25	.50	2.50
465	Osage or Miller's Cream	.05	.15	.50	1.75
466	Paul Rose or Petoskey	.05	.15	.50	1.75
463	Rockyford	.05	.15	.50	1.75
471	Mango Melon or Vegetable Peach	.10	.30	.80	2.90

## Henderson's Bush

489

**T**HIS recent introduction is a very desirable addition to the list of melons, as it is a variety that can be grown to advantage in small gardens where there is not sufficient room for the running types. It is a small green fleshed melon, a dependable cropper, sweet, and of good flavor. Price, large pkt., 10c; 1 oz., 25c (postpaid).

## Banana Cantaloupe

470

**S**HAPED somewhat as the name indicates; grows from 2 to 2 $\frac{1}{2}$  feet in length; flesh deep salmon of good quality. It is eagerly bought, owing to its odd appearance. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00 (postpaid).

Spencer, N. C., January 22, 1917.  
I have tried your garden seeds, and find them to be the best seed I ever used, and you may expect an order from me shortly.

E. L. Holder.

## Giant Montreal ★

### 467 Green Flesh. The Largest Muskmelon

**I**T is of large size and delicious, melting flavor. The skin is green and the flesh is light green in color. A weight of 20 to 25 pounds is not rare, and a weight of 39 $\frac{1}{2}$  pounds is on record. The vine is prolific. The melon is a prime market sort and a good shipper. The best seed comes from the neighborhood of Montreal, and our stock is the true Canadian. Price, large pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 50c; 1 lb., \$1.75 (postpaid).

### 471 Mango Melon or Vegetable Peach

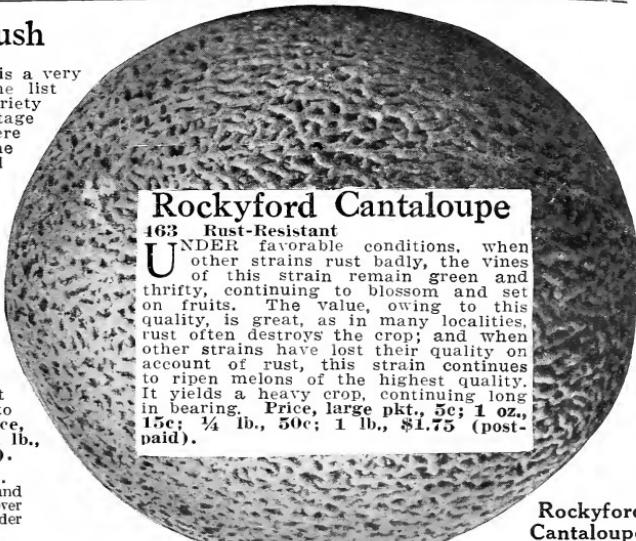
**O**F golden yellow color, resembling an orange in shape and size; the flesh is snow white. They make splendid mangoes, stuffed like peppers. For sweet pickles, pies and preserving, they have no equal. Price, large pkt., 10c; 1 oz., 30c;  $\frac{1}{4}$  lb., 80c; 1 lb., \$2.90 (postpaid).

No.	Name	pkt.	oz.	$\frac{1}{4}$ lb.	lb.
470	Banana	\$0.05	\$0.15	\$0.50	\$1.75
468	Burrell's Gem	.05	.15	.50	1.75
464	Early Hackensack	.05	.15	.50	1.75
54	Eden Gem	.05	.15	.50	1.75
55	Extra Early Wonder	.05	.15	.50	1.75
467	Giant Montreal	.05	.15	.50	1.75
469	Henderson's Bush	.10	.25	...	...
462	Honey Dew (see page 15)	.15	.40	...	...
53	Hoodoo (see page 19)	.10	.25	.50	2.50
465	Osage or Miller's Cream	.05	.15	.50	1.75
466	Paul Rose or Petoskey	.05	.15	.50	1.75
463	Rockyford	.05	.15	.50	1.75
471	Mango Melon or Vegetable Peach	.10	.30	.80	2.90

## Rockyford Cantaloupe

### 463 Rust-Resistant

**U**NDER favorable conditions, when other strains rust badly, the vines of this strain remain green and thrifty, continuing to blossom and set on fruits. The value, owing to this quality, is great, as in many localities, rust often destroys the crop; and when other strains have lost their quality on account of rust, this strain continues to ripen melons of the highest quality. It yields a heavy crop, continuing long in bearing. Price, large pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 50c; 1 lb., \$1.75 (postpaid).



Rockyford  
Cantaloupe

# Watermelons

Two Pages of the  
Best Varieties

**CULTURE.** The soil for watermelons must be light, rich and sandy. When there is no more danger of frost, drop 8 to 10 seeds, 8 to 10 feet apart each way, covering about  $\frac{3}{4}$  of an inch deep. As soon as the plants commence to run, thin out to three best plants in a hill, and cultivate until the vines cover the whole ground. If slow to fruit, pinch off the ends of the growing shoots. Ashes or air-slaked lime, sifted on the young plants while dew is on, is good to keep the insects away. One ounce of seed will plant about 30 hills, and it takes 3 to 4 pounds of seed to one acre. Matures in 110 to 130 days.

452

## Improved Sweetheart ★

**T**HIS fine variety is an entirely distinct and handsome watermelon. Vines very vigorous and productive, ripening early, fruit large nearly round, very heavy, uniformly marked with light and green lines, flesh bright red, solid and very tender. The melons retain their good qualities for a long time after ripening and being gathered. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00 (postpaid).

56

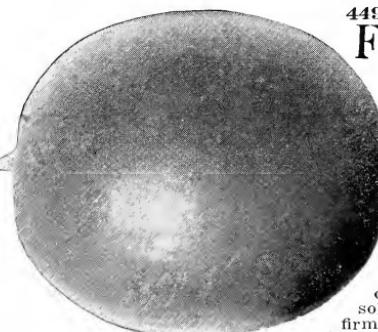
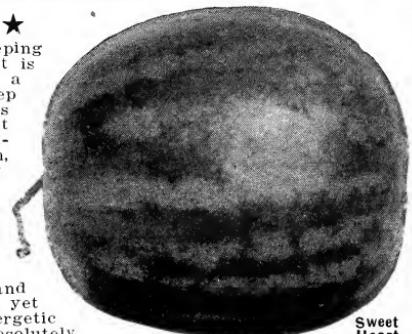
## Galloway's New Divider ★

**T**OPS them all for weight, quality of meat, keeping and shipping qualities. Here without doubt is the peer of the entire watermelon family; a melon without an equal. The flesh is a rich, deep red, and develops almost to the rind. There is no waste; it is solid, crisp and sweet; can be cut without a fear of breaking, an objectionable feature with so many watermelons. The skin is thin, but hard, and can be safely shipped without fear of breaking. It grows to an enormous size, under favorable conditions. Price, large pkt., 10c; 1 oz., 20c;  $\frac{1}{4}$  lb., 50c; 1 lb., \$1.75 (postpaid).

## Galloway's Citrons ★

454 Preserving Citron or Melon—Red Seeded

**A**LARGE-FRUITED variety, pure white flesh and thin rind. This is expensive when bought, yet can be grown and preserved by any energetic housewife, who will then also know it to be absolutely pure and good. It is planted like watermelon. Price, large pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 55c; 1 lb., \$1.00 (postpaid).



Ice King

Every home should have a melon patch!

## Improved Ice King ★

The Market Gardener's Favorite Melon

**449 F**RUIT nearly round, with dark green skin, flesh deep pink, very sweet and melting, a general favorite with market gardeners everywhere, a very desirable melon in every way. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00 (postpaid).

## Kleckley's Sweet ★

446—

**T**HE sweetest meated watermelon grown. Our customers who have grown it, speak volumes in its praise; for productivity it stands unrivaled. Some growers report sales of as much as \$200 to \$300 per acre and we believe that even this can be increased. It is not only a good eating melon, but it is also a good keeper, and holds first place on many markets. The melon is oblong, dark green color, flesh deep red and stringless, solid and very sweet, with but a few whine seeds set firmly near the rind. Price, large pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.50 (postpaid).

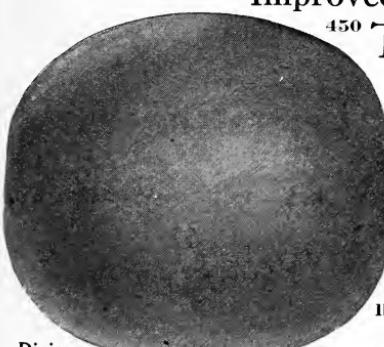


# Have Them in Every Garden for 1918 More Watermelons

## Phinney's Early ★

448

**O**NCE of the best of the earlies; very extensively grown in the Corn Belt districts, and highly spoken of by all who have grown it. A fine oblong melon; flesh pink; crisp and of delicious flavor. An abundant bearer. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00 (postpaid).



Dixie

## Galloway's Improved Dixie

447

**A**CROSS between the Kolb's Gem as a long distance shipping melon; while it fully equals Mountain Sweet in its excellent flavor, and is 10 to 12 days earlier than either. In shape about one-third longer than thick; color of skin dark green and beautifully striped; rind thin, but remarkably hard; flesh bright scarlet, sweet and juicy. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00 (postpaid).

## Tom Watson—Improved ★

**A**N exceedingly fine melon for which there is a tremendous demand. It is oblong in shape, with a deep green skin over which is a thick netting. It is quite distinct from all other varieties. The rind is thin, but very tough and the flesh is a bright attractive red color; of a sweet, delicious and satisfying flavor. Its fine appearance and quality makes it most desirable for both the home garden and the market. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00 (postpaid).



## Complete List of Foregoing and Other Standard Varieties of Watermelons

No.	Name	Pkt.	Oz.	$\frac{1}{4}$ lb.	1 lb.
453	Cole's Early . . . . .	\$0.05	\$0.10	\$0.30	\$1.00
447	Dixie . . . . .	.05	.10	.30	1.00
450	Halbert Honey . . . . .	.05	.10	.30	1.00
449	Ice King . . . . .	.05	.10	.30	1.00
446	Kleckley's Sweet . . . . .	.05	.15	.40	1.50
56	New Divider . . . . .	.10	.20	.50	1.75
448	Phinney's Early . . . . .	.05	.10	.30	1.00
452	Sweetheart . . . . .	.05	.10	.30	1.00
451	Tom Watson . . . . .	.05	.10	.30	1.00

Oakharbor, Ohio, December 27, 1916.

The Reid's Yellow Dent seed corn I got from you certainly did fine; it beats the Leaming corn in this section by one-fifth at least.

Mr. P. C. Paulsen.

## Cole's Early ★

453

**F**OR the northern states this is desirable on account of its extreme earliness and vigorous growth. Rather small and nearly round in shape. Light green rind, striped with darker green. Scarlet flesh, solid and sweet. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00 (postpaid).

## Improved Halbert Honey

450

**T**HIS is a grand melon, equaling in flavor and as handsome in color as Kleckley's Sweet; but much more regular in form, and a great deal more productive. It grows quite as long as the Kleckley's Sweet. The melons are blunt at both ends and generally free from the slightest appearance of neck; in size they average 18 to 20 inches in length, and 6 to 8 inches in diameter; color of rind a deep, glossy green. The flesh is a beautiful deep crimson, extending to within  $\frac{1}{4}$  inch of the rind; which, like the flesh, is so tender that it will not stand shipping any distance unless carefully handled. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00 (postpaid).



Everybody Likes Watermelons!  
Boys Especially!

# Onions

seed per acre. In many localities, they winter well without mulch or other protection.

For fall dry bulbs, select a clean, rich, well-drained and well-manured piece of land; prepare a perfect seedbed, and sow seed in early spring in drills 15 inches or so apart, using 4 to 5 pounds of fresh seed per acre. Use wheel-hoe and weeder freely, and thin plants to stand at least 2 inches apart in the rows. Pull when tops begin to die down, cure and sell, or store in a cool dry place.

For sets, select clean sandy soil of medium fertility; prepare it well in early spring, and at once sow seed in drills one foot apart, using 40 to 60 pounds of seed per acre. Gather sets when ripe and store them in dry, airy place. In the early spring following, plant them in shallow drills 12 inches apart, and about 2 inches apart in the drills. Matures in 110 to 130 days.

483

## Prizetaker \*

**P**RIZETAKER is by far the handsomest, most productive, most popular and best of all yellow globe onions. It is a bright, clear straw color, and always grows to a uniform shape. It has a very small neck and ripens without stiffness of the neck. Attracts attention on account of its beauty. It always brings a much better price than any other onion. The bulbs grow to an enormous size. The keeping qualities are fine. Price, large pkt., 5c; 1 oz., 35c;  $\frac{1}{4}$  lb., \$1.20; 1 lb., \$4.00 (postpaid).

479

## Southport White Globe \*

**I**T is silvery white in color, globe-shaped in form, flesh pure white, and of most delicious flavor and a grand keeper. The onions measure from  $2\frac{1}{2}$  to 3 inches in diameter, and are wonderfully uniform. Under favorable circumstances Southport White Globe will yield up to as high as 900 bushels to an acre, making it an ideal crop for the market gardener. Price, large pkt., 10c; 1 oz., 50c;  $\frac{1}{4}$  lb., \$1.75; 1 lb., \$5.50 (postpaid).

480

## Southport Yellow Globe \*

**T**HIS is a very popular onion, either for home use or the market. An onion that always gives satisfaction. It is an enormous yielder, very hardy and in every respect reliable. They grow very uniformly in shape and color. They are veritable globes of gold. They are very large, growing from 9 to 10 inches in circumference. The skin is an attractive light golden yellow. The flesh snow-white, solid and juicy. Price, large pkt., 5c; 1 oz., 35c;  $\frac{1}{4}$  lb., \$1.20; 1 lb., \$4.00 (postpaid).

481 Southport Red Globe \*

**I**T'S a very handsome onion of immense size, averaging 9 to 10 inches in circumference, solid, heavy and of perfect globe shape. The skin is a rich, purplish red, flesh pure white, very crisp and mild. Yields immense crops of handsome bulbs, averaging as high as 900 to 1000 bushels to the acre, under favorable conditions. Price, large pkt., 5c; 1 oz., 35c;  $\frac{1}{4}$  lb., \$1.20; 1 lb., \$4.00 (postpaid).

Prizetaker—King of Onions

## Onion Sets

**W**E offer these at the rate of 32 pounds to the bushel. Our prices on  $\frac{1}{4}$ ,  $\frac{1}{2}$  and 1 bushel lots are subject to market changes. Always order onion sets early if you wish to avoid disappointment.

No.	Color	Postpaid Pt.	By Express Qt.	Pk.	Bu.
482	Red	\$0.15	\$0.30	\$1.10	\$4.00
482	White	.20	.35	1.35	5.00
482	Yellow	.15	.30	1.10	4.00

Southport  
Globe  
Onion

Red Weathersfield



# Onions

## Red Weathersfield ★

**485** **I**T is an enormous yielder, producing anywhere from 600 to 900 bushels per acre. The skin is a deep purplish red; flesh, pure white. The handsome bulbs often weighing up to 2 pounds. It probably has a larger sale than any other red skinned onion. It matures early and the flavor is good and mild. Just the onion for boiling. A leading variety in all sections. Price, large pkt., 5c; 1 oz., 30c;  $\frac{1}{4}$  lb., \$1.00; 1 lb., \$3.50 (postpaid).

### Onion

No.	Name	Pkt.	Oz.	$\frac{1}{4}$ lb.	$\frac{1}{2}$ lb.	1 lb.
486	Danver's Yellow Globe	.80	.65	\$0.35	\$1.20	\$2.25
58	Express Red Globe (See p. 24)	.10	.35	1.25	2.40	4.50
58	Express White Globe (See p. 24)	.15	.35	2.00	3.80	7.25
58	Express Yellow Globe (See p. 24)	.15	.50	1.50	2.75	5.00
489	Favorite Pickler	.05	.35	1.20	2.25	4.00
491	Ideal Yellow Globe (See p. 16)	.20	.60	2.00	3.85	7.50
490	Mammoth Silver King	.05	.30	1.00	1.85	3.50
483	Prizetaker	.05	.35	1.20	2.25	4.00
481	Southport Red Globe	.05	.35	1.20	2.25	4.00
479	Southport White Globe	.10	.50	1.75	3.00	5.50
480	Southport Yellow Globe	.05	.35	1.20	2.25	4.00
484	Waterloo Wonder	.10	.35	1.20	2.25	4.00
487	White Portugal	.05	.30	1.00	1.85	3.50
485	Red Weathersfield	.05	.30	1.00	1.85	3.50
488	Mixed	.05	.25	.90	1.70	3.00

### Danver's Yellow Globe ★

**A**LARGE early variety, an abundant cropper, very thick bulb, flat with slightly convex bottom, fine full oval top, with a small neck and rich, brownish-yellow skin; just the onion for critical growers. It is an excellent keeper and perhaps the best paying onion that is grown for general crop. It has been the leading variety for years. If you want to grow a fine crop of these handsome onions get our specially selected seed. It is absolutely the best you can buy, and we guarantee you will be delighted with it. Price, large pkt., 5c; 1 oz., 35c;  $\frac{1}{4}$  lb., \$1.20; 1 lb., \$4.00 (postpaid).

### Favorite Pickler ★

**A**N extra early, very small, round and handsome variety. The color is a beautiful waxy white, flavor mild and delicate. This onion is used in all the best known pickle factories in this and other countries. A real favorite for the home garden owing to its very early maturity. Price, large pkt., 5c; 1 oz., 35c;  $\frac{1}{4}$  lb., \$1.20; 1 lb., \$4.00 (postpaid).

### Galloway's Waterloo Wonder ★

#### Wonder ★

**A**TREMENDOUS onion of the Yellow Globe type. The largest and heaviest cropper. Its handsome form immediately attracts the attention and admiration of all who see it. The skin is pale yellow, the flesh snow white, and the flavor delicious. The bulbs attain to an enormous size, 2 to  $2\frac{1}{2}$  pounds each being quite common. Notwithstanding their great size, they are solid. It is a good keeper and to those who like an onion raw, we recommend it on account of its acceptable flavor. Seed very scarce. Price, large pkt., 10c; 1 oz., 35c;  $\frac{1}{4}$  lb., \$1.20; 1 lb., \$4.00 (postpaid).



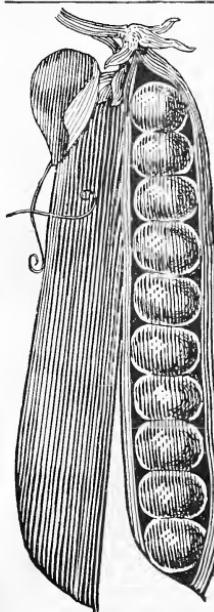
Waterloo Wonder

# Peas

**CULTURE.** Peas mature early when in a light rich soil. For the general crop, a rich deep loam or clay would be the best. Peas thrive better if the ground has been manured for a previous crop, but if the ground is poor and requires enriching, use well-rotted manure; and for the dwarf varieties, you can hardly make the soil too rich. When grown as a market crop, peas are seldom staked or bushed, but are sown in single rows 3 to 4 inches deep, the depth depending on the time of sowing, nature of the soil, as well as the nature of the variety of pea.

Wrinkled varieties are not as hardy as the smooth sorts; and if planted deep, they are liable to rot in the ground. These wrinkled varieties are, however, the sweetest and best flavored. Rows for planting should be from  $2\frac{1}{2}$  to  $3\frac{1}{2}$  feet apart.

When grown in the kitchen garden, it is best to sow seed in double rows 6 to 8 inches apart; the tall sorts requiring brush. Commence sowing early varieties as soon as the ground can be worked in the spring; and continue, for a succession, every two weeks up to the end of June; discontinuing until the middle of July, when a good crop can sometimes be secured by sowing an extra-early sort. One quart sows 100 feet of row;  $1\frac{1}{2}$  bushels to the acre. Matures in 60 to 80 days.



Telephone

### 551 Telephone ★

**T**HIS is the best main crop pea in existence. The pods are of immense size, of a fine dark green color, much more desirable than the light green of the ordinary Telephone, and are well filled with peas of the largest size, which are tender and deliciously sweet. The vines are tall and sure croppers. Medium early in season; bears a long time; the pods are always of good size, well filled, and the quality is of the very best. Does best when brushed. Price, large pkt., 10c; pt., 45c; qt., 80c (postpaid).

### Little Gem ★

557



Little Gem

**T**HE qualities of this pea are so distinctive and many, and the strain such a popular favorite, that its merits are well known to all. It is a dwarf green, wrinkled variety of an exquisite buttery flavor; almost perfection itself. It is a very early sort, of superb quality. Pods are of good size, and well filled. Grow about 18 inches high, and is very prolific. Price, large pkt., 10c; pt., 40c; qt., 75c (postpaid).

### Dwarf Gray Sugar ★

543 (Edible Podded)

**T**HIS is an edible podded variety. Vines grow only 15 to 18 inches in height, with purplish blossoms. Sugar peas are not shelled, but pods are cooked same as string beans. Price, large pkt., 5c; pt., 30c; qt., 55c (postpaid).

### 555 Horsford's Market Garden ★

**O**NLY grows 2 feet high; very stocky and requires no brush; a wrinkled variety of superfine quality. The pods, which are borne in pairs, are of good size, and filled with deliciously sweet peas. An excellent variety for all purposes. The fact that this grand pea is in so much demand from market gardeners is in itself a guarantee of its real worth. Price, large pkt., 10c; pt., 45c; qt., 80c (postpaid).

### Mammoth Melting Sugar ★

544 (Edible Podded)

**A**NOTHER edible podded variety. The pods are picked when at that stage there is no stringiness, but are sweet, brittle and appetizing. This variety is quite late, growing 4 to 5 feet high and bearing large pods 4 to  $4\frac{1}{2}$  inches long, often curved or twisted. Price, large pkt., 5c; pt., 30c; qt., 35c postpaid).

### 545 Rent Payer ★

**A**PEA without a rival, the vines being strong do not require support. Tremendous cropper, the vines being literally covered with fine, long, well-filled pods of a rich dark green color. The flavor of the peas cannot be surpassed. As an exhibition pea, it is ideal. The pods are about 6 inches long, and are usually filled with 9 to 10 well developed peas. We sold more of the Rentpayer peas last season than all the other varieties put together. Will do well in any latitude. Price, large pkt., 10c; pt., 50c; qt., 90c (postpaid).

### 546— Stratagem ★

**A**REMARKABLE variety. The vines are strong, vigorous and covered with immense pods, many of which measure as much as 5 inches in length, and containing quite frequently ten fine large, richly flavored, uniform, wrinkled peas. Each seed, as a rule, produces two stalks. Peas are dark greenish color, and retain their tenderness and sweetness. Price, large pkt., 10c; pt., 40c; qt., 75c (postpaid).



Horsford's Market Garden

### Dwarf Telephone or Daisy

**552** **T**HIS grand 20 inch pea is rapidly gaining favor among gardeners of all classes. In habit it is dwarf and stocky. Bears close planting, and requires no sticks or supports. The pods frequently measure 5 inches in length, and are broad, straight and remarkably well filled. A splendid mid-season variety. Price, large pkt., 10c; pt., 45c; qt., 80c (postpaid).

### Champion of England ★

A main crop variety of vigorous growth, about 4 feet high; producing an abundance of pods of immense peas that are noted for their tenderness and rich, marrow-like flavor. It would indeed be very hard to equal in quality and productiveness this grand old pea. Price, large pkt., 10c; pt., 45c; qt., 80c (postpaid).

### Thomas Laxton ★

**L**ARGE podded, extra early pea. This fine early pea was raised by crossing Gradus with the Alaska. In earliness the "Thomas Laxton" is only 2 or 3 days behind the Alaska, and the pods are very much larger, containing on the average 7 or 8 large, sweet, wrinkled peas of the very richest flavor. The vines attain a height of from 3 to 3 1/2 feet. Price, large pkt., 10c; pt., 45c; qt., 80c (postpaid).

### Nott's Excelsior ★

**A** GRAND dwarf early pea of the American Wonder type; but a little taller, growing about 14 inches high; producing an abundance of well filled pods in about 48 days from time of sowing. The pods are somewhat larger than the American Wonder, and contain 8 to 9 sweet, dark green peas. Price, large pkt., 5c; pt., 35c; qt., 60c (postpaid).

### American Wonder ★

**547**

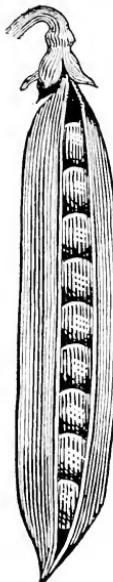
**T**HIS is a first class wrinkled pea of very dwarf habit; the vines growing less than 12 inches high. It is exceedingly early, being fit to pick in 6 weeks from the time of sowing. Seed medium size, wrinkled and pale green; flavor delicious and sweet. The vines are literally covered with peas. They can be sown right through the season, and be depended upon to produce fine crops late into the fall. Price, large pkt., 10c; pt., 40c; qt., 75c (postpaid).



### Alaska ★

**559**

**T**HE earliest pea on the market. The seed is smooth and of bluish color. On this account it is very popular with canners. Grows only 1 foot high, and is completely covered with well filled pods. Owing to its hardness, Alaska can be sown earlier than any other dwarf pea. Price, large pkt., 10c; pt., 45c; qt., 80c (postpaid).



**549**

### First and Best

**A**N extra early pea with a great reputation in all districts. Vines vigorous and hardy, 2 feet high, bearing as many as 7 fine straight pods, each containing 5 to 7 handsome peas of delicious quality; a very heavy cropper, and good drought resister. Price, large pkt., 10c; pt., 40c; qt., 75c (postpaid).

**553**

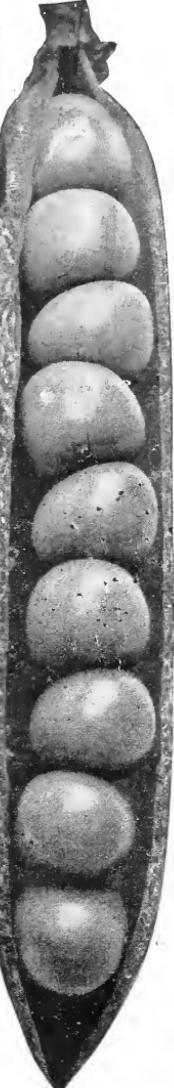
### Laxtonian ★

**T**HE largest podded of all the early dwarf peas. The dark green pods are similar to the Gradus in shape, and nearly as large in size; they mature earlier and require no support of any kind. Vigorous and very productive, growth about 15 inches; pods are well filled with peas of the finest flavors. Price, large pkt., 10c; pt., 45c; qt., 80c, postpaid.

Champion of England,  
2/3 size

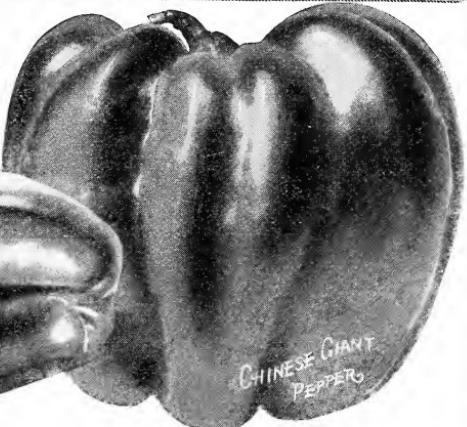
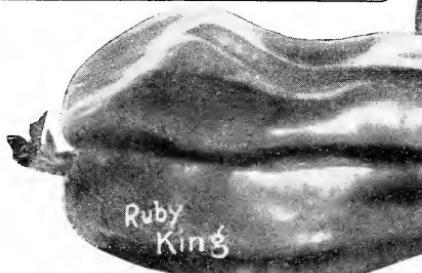
### Condensed Table of Garden Peas and Prices

No.	Name	pkt.	pt.	qt.
<b>559</b>	Alaska . . . . .	\$0.10	\$0.45	\$0.80
<b>547</b>	American Wonder . . . . .	.10	.40	.75
<b>558</b>	Champion of England . . . . .	.10	.45	.80
<b>543</b>	Dwarf Gray Sugar . . . . .	.05	.30	.55
<b>552</b>	Dwarf Telephone or Daisy . . . . .	.10	.45	.80
<b>.79</b>	Eversure (see page 23) . . . . .	.15	.60	1.00
<b>549</b>	First and Best . . . . .	.10	.40	.75
<b>555</b>	Horsford's Market Garden . . . . .	.10	.45	.80
<b>.70</b>	Langport (see page 22) . . . . .	.20	.60	1.00
<b>553</b>	Laxtonian or Dwarf Gradus . . . . .	.10	.45	.80
<b>.57</b>	Little Gem . . . . .	.10	.40	.75
<b>.60</b>	Little Marvel . . . . .	.10	.45	.80
<b>.44</b>	Mammoth Melting Sugar . . . . .	.05	.30	.55
<b>.48</b>	Nott's Excelsior . . . . .	.05	.35	.60
<b>.50</b>	Prosperity or Gradus (see page 14) . . . . .	.15	.45	.80
<b>.45</b>	Rentpayer . . . . .	.10	.50	.90
<b>.46</b>	Stratagem . . . . .	.10	.40	.75
<b>.51</b>	Telephone Improved . . . . .	.10	.45	.80
<b>.54</b>	Thomas Laxton . . . . .	.10	.45	.80



Thomas Laxton  
Garden Pea

# Peppers



**CULTURE.** Peppers are more tender than most vegetables. The seed should be sown in a hotbed, cold frame, or if no other convenience, a box in the window; and transplanted about the last of May. They can be sown in the open ground when the weather becomes warm and settled. Warm, mellow soil, well fertilized. One ounce of seed for about 1500 plants. Matures in 12 to 14 weeks.

## 594 Chinese Giants ★

A **N** enormous fruiting variety, double the size of Ruby King, average 12 to 15 inches in circumference. Notwithstanding its large size, it is very early and very prolific. Plants are healthy, well branched, about 2 feet high and carry enormous load of fruit, often having the appearance of being bunched together. Flesh is thick, tender, mild and sweet, and is unexcelled for salad or stuffed mangoes. They can be sliced and eaten like tomatoes. When ripe the peppers are a rich, glossy scarlet, making them of unusually fine appearance. **Price, large pkt., 5c; 1 oz., 60c;  $\frac{1}{4}$  lb., \$2.00 (postpaid).**

## 596 Red Chili ★

**F**RUIT is small, bright red, very hot and pungent. Plants are very productive. Generally used for making pepper sauce. **Price, large pkt., 5c; 1 oz., 50c;  $\frac{1}{4}$  lb., \$1.75 (postpaid).**

## 595 Ruby King ★

**T**HE most popular large fruited pepper. Very prolific. The pods are a beautiful bright red, 5 to 6 inches long, and 3 to 4 inches diameter. Flesh exceedingly thick, sweet, and so mild that it is often sliced as a salad. Splendid for stuffing as mangoes. **Price, large pkt., 5c; 1 oz., 60c;  $\frac{1}{4}$  lb., \$2.00 (postpaid).**

## 575 Hybridized Potato Seed

**G**RADING new and distinct seedling potatoes from Seed Ball seed is intensely interesting. They will be the greatest curiosity of your garden. This seed will positively produce innumerable new kinds, colors, shapes, sizes and qualities. The produce will astonish you. Some may be of immense value and bring you a golden harvest. Every farmer, gardener and bright boy should plant a few packets.

This unique mixture comprises select seed from the United States, Germany, Chile, Switzerland, several parts of South America, France, Mexico, Africa, Europe, etc. No potato seed ever offered can compare with it. The multitude of diversified seedlings that can be grown will excite the wonder of all potato growers.

A large share of this incomparable potato seed is direct from Mr. Burbank, the world renowned Hybridizer and Experimenter; the choice product of his almost endless varieties and selections. Full directions on every packet. **Price, per pkt., 15c; 2 pkts., 25c; 5 pkts., 60c; 10 pkts., \$1.00 (postpaid).**



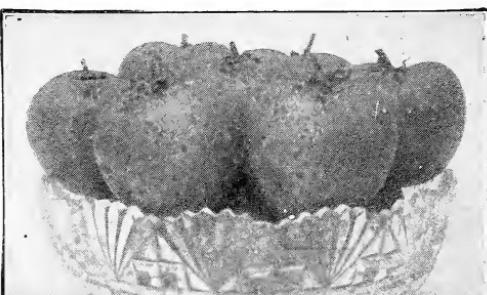
Waterville, Mass., May 17, 1917.  
I am very well pleased with the seeds you sent me. You can look for a big order next season if all goes well,  
T. Gunhouse, Box 65.

Stuttgart, Ark., January 29, 1917.  
Your seed is best I ever had. Every kernel of seed grew.

Herman Timm.

Grove, Okla., January 22, 1917.  
I ordered a few of your seeds last year, they came promptly and gave splendid satisfaction.

Lee Howe, State Representative.



# Note What Our Customers Say About Our Pure Seed

Oskaloosa, Iowa, January 25, 1917.

This is my fourth year to order seeds from you and will say that they are the best seeds that I can get.

Rex R. Cruzen.

\* \* \*

South Solon, Ohio, February 19, 1917.

I received the seeds all o. k. Will say that they are the finest seeds I ever saw from any seed house I ever sent to yet. I know now where to get my field and garden seed. They're simply fine.

F. M. Young, R. No. 2.

\* \* \*

Independence, Mo., January 23, 1917.

I will want to get some garden seed this year, as I had seed from you in 1915 and was pleased with the results.

Mrs. Francis Scott.

\* \* \*

Mason, Mich., March 28, 1917.

I have always been well pleased with garden seeds bought of you, and will soon send you another order.

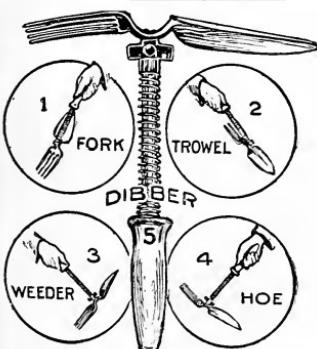
Mrs. Claude Laxton.

\* \* \*

Tobe, Colorado, January 17, 1917.

I used Galloway seed the year of 1915 and they did exceedingly fine, and I will say that you will receive my order this year.

L. C. Fullbright.



## 5-in-1 Garden Tool

A Handy Garden Implement, comprising five useful Tools in one Combination:

- |          |          |
|----------|----------|
| 1—Fork   | 3—Weeder |
| 2—Trowel | 4—Hoe    |

### 5—Dibber

Just the thing for putting about in the Garden, Trimming up Plant Boxes, Plant Tubs, Flower Pots, etc. Always Handy. No Missing Tools. A simple spring enables you to shift from one Tool to the other in an instant. Weighs less than a pound, will not tire the user and is absolutely rigid in any position.

Nothing to get out of order.

**"FIVE GOOD TOOLS AT THE COST OF ONE"**  
Price, postpaid ..... \$0.60

Alma, Mo., January 8, 1917.

We used your seed last year and were well pleased with it.

Mr. L. C. Fischer.

\* \* \*

Mt. Pulaski, Ill., January 4, 1917.

Purchased flowers of you last year. All grew fine.

Mrs. Boyd Hahn, Box 73.

\* \* \*

Ft. Pierre, So. Dak., December 26, 1917.

The best garden I ever had last year, and I planted your seeds.

Mr. C. H. McMullen.

\* \* \*

Loretto, Neb., January 31, 1917.

We got seed and bulbs from you once before, and were so well pleased that we will send you another order.

Mrs. Frank Blough.

\* \* \*

Fair Play, Mo., January 11, 1917.

I like your seeds fine, and want to order quite a lot of seeds this spring.

Mrs. T. W. Tindle, Route 1.

\* \* \*

Jeffersonville, Vt., January 19, 1917.

We have splendid luck with your seeds, and wish to select our seeds early.

Mrs. T. S. Cummings, Route 2.

# Radishes

Saxa ★ See Page 12 for This Star Quality Radish

625

**N**ICE medium size; bright scarlet; crisp and of excellent flavor. We do not know of a better radish for the table. This is also a fine variety for the market gardener, as they grow very uniform and are very attractive in appearance, which insures a ready sale. They retain their crispness a considerable time after maturity. Price, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 45c;  $\frac{1}{2}$  lb., 80c; 1 lb., \$1.50 (postpaid).

ICICLE



622

### Sparkler

**A**DISTINCT, new 18 to 21 day radish; has a beautiful bright scarlet top, with tip of purest white. It is solid, crisp and sweet, remaining so for a long time. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 40c;  $\frac{1}{2}$  lb., 70c; 1 lb., \$1.35 (postpaid).

Early Olive Shaped Scarlet ★

610

**T**HE best known of all the long radishes; color bright scarlet; length 5 to 6 inches; matures in about 22 days from sowing, and can be used before it is fully grown. The roots grow about one-third out of the ground, and are very uniform in shape. An excellent variety for either the market or the home garden. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 65c; 1 lb., \$1.20 (postpaid).

611 Selected French Breakfast ★

**A**VERY fine radish of the oblong type, scarlet in color, with a white tip; very much in demand, owing to its very attractive appearance. It matures very quickly, is sweet, crisp solid and tender; a fine table variety, and has a very ready sale on the market. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 40c;  $\frac{1}{2}$  lb., 70c; 1 lb., \$1.35 (postpaid).

608 Early Scarlet Globe

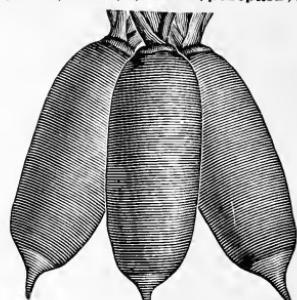
**A**N exceptionally fine radish of the Scarlet Globe type, but growing much larger; single roots, weighing up to an ounce each, or 3 to 4 times the size of the old Scarlet Globe varieties. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 40c;  $\frac{1}{2}$  lb., 70c; 1 lb., \$1.35 (postpaid).

612 Scarlet Turnip White Tip ★

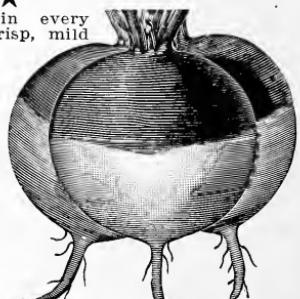
**P**ERFECT globe shape, uniform in every way; color scarlet, white tipped; crisp, mild flavored and in every respect superior to all others of this type. Very early and equally desirable for outdoor culture and forcing under glass; in flavor no other radishes excel, it being crisp, sweet, mild and delicate. An Al radish in every way. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 45c;  $\frac{1}{2}$  lb., 80c; 1 lb., \$1.50 (postpaid).

607 Improved Long Icicle

**W**ITHOUT doubt the best of all radishes. A fine transparent white, growing from 4 to 6 inches long; with small top, which allows of close planting; are very crisp and brittle. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 45c;  $\frac{1}{2}$  lb., 80c; 1 lb., \$1.50 (postpaid).



Early Olive Shaped Scarlet



Scarlet Turnip White Tipped

### Radish

No.	Name	pkt.	oz.	$\frac{1}{4}$ lb.	$\frac{1}{2}$ lb.	lb.
608	Early Scarlet Globe . . . . .	\$0.05	\$0.10	\$0.40	\$0.70	\$1.35
611	French Breakfast . . . . .	.05	.10	.40	.70	1.35
613	Icy Gem . . . . .	.05	.10	.40	.70	1.35
607	Long Icicle . . . . .	.05	.10	.45	.80	1.50
610	Long Scarlet Short Top . . .	.05	.10	.35	.65	1.20
621	Saxa (see page 12) . . . . .	.10	.25	.75	1.40	2.50
612	Scarlet Turnip White Tipped . . .	.05	.10	.45	.80	1.50
622	Sparkler . . . . .	.05	.10	.40	.70	1.35
623	White Box . . . . .	.05	.10	.40	.70	1.35
609	White Strasburg . . . . .	.05	.10	.40	.70	1.35
624	White Turnip . . . . .	.05	.10	.40	.70	1.35
63	Nonsuch Mixed . . . . .	.05	.10	.30	.55	1.00
625	Early Olive Shaped Scarlet . . .	.05	.10	.45	.80	1.50

### Radish (Winter)

No.	Name	pkt.	oz.	$\frac{1}{4}$ lb.
614	California Mammoth White . . .	\$0.05	\$0.10	\$0.50
615	Half Long Black Spanish . . .	.05	.10*	.50
616	Long Black Spanish . . . . .	.05	.10	.50
617	Long White Spanish . . . . .	.05	.10	.50
619	Rose China . . . . .	.05	.10	.50
618	Round Black Spanish . . . . .	.05	.10	.50
620	White Chinese or New Celestial . . . . .	.05	.10	.50

# Rhubarb—Spinach—Salsify

## Rhubarb

630 (Pie Plant)—Victoria

**A**SOLUTELY the best either for forcing or for outdoor culture. A good many "fake" new varieties of this popular plant have been thrown upon the market during the past few years, but we say without hesitation that Victoria is the best all round Rhubarb in cultivation today. When grown out of doors the stems are a nice rich red color; when forced under greenhouse stages the stems are much paler and during the winter months fetch much higher prices than when grown outside. Price, large pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00, postpaid.

## Salsify

640 or Vegetable Oyster—Sandwich Island

**W**HEN properly cooked it is a good substitute for oysters in taste and flavor and is very nutritious. Salsify will keep finely through the Winter, in the ground where grown in exactly the same manner as Parsnips. The roots are perfectly hardy, in fact they are best after the frost has touched them.

When cooking the roots (a small piece of Codfish which should be discarded when the Salsify is done, boiled with them strengthens the oyster flavor); when cold, mash and fry as patties or fritters. This vegetable is also good stewed, plain boiled, and also as a salad, sliced raw in vinegar with pepper and salt. Price, large pkt., 4c; 1 oz., 15c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.25, postpaid.

## Spinach

60 Galloway's Summer Prolific (Drought Resisting)

**M**OST people like spinach and try to raise it, but the common trouble most growers have to contend with is drought pest as the spinach is commencing to mature. Very few varieties of spinach seem able to withstand a long spell of hot dry weather, they usually dry up or turn to seed. Our Summer Prolific has been thoroughly tried out for two seasons at our Experimental Station and we believe it is the very best drought resisting kind on the market. It is a very prolific grower, producing nice bunches of delightfully sweet, juicy, greens of a delightfully dark green color. This fine spinach lacks the objectionable strong, bitter flavor of some of the common types. A successive sowing during the summer months will insure a good supply of this nice, wholesome vegetable during the hottest summer months. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; 1 lb., \$2.00.

Condensed Table of Spinach Prices

No.	Name	Pkt.	Oz.	$\frac{1}{4}$ Lb.	Lb.
650	Bloomsdale . . . . .	\$0.05	\$0.20	\$0.60	\$2.00
654	Everlasting . . . . .	.05	.20	.65	2.50
652	Long Season . . . . .	.05	.20	.60	2.00
653	Long Standing Prickly . . . . .	.05	.20	.60	2.00
651	Long Standing Round . . . . .	.05	.20	.60	2.00
655	New Zealand . . . . .	.05	.20	.65	2.50
60	Summer Prolific . . . . .	.05	.20	.60	2.00

### Look at These Fine Peas and Beans!

This fine crop of garden peas and garden beans shows that its grower knows how to and can produce immense crops of these two fine vegetables. The tall peas are properly staked up and by being planted between beans it permits the sun and air to get at all sides of the peas and make them heavier croppers. Nitragin inoculation on the seed will produce heavy crops like this.



# Squash

## Winter Varieties

### 665 Chicago Warted Hubbard ★

THE most popular of the whole squash family. Our stock is northern grown and specially selected for us by an expert grower. The vines are vigorous and bear a large number of handsome pear-shaped fruits, all nicely warted and a rich dark green color. The flesh is a bright orange-yellow, fine grained, very dry, sweet and rich flavored. Price, large pkt., 5c; 1 oz., 15c; 1/4 lb., 45c; 1/2 lb., 80c; 1 lb., \$1.50 (postpaid).

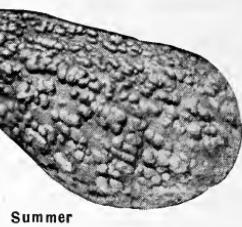
### White Bush ★

669

OF round scalloped form with an ivory white skin. Has an abundance of meat of very fine flavor. One of the earliest to mature, and is very prolific, bearing continually until killed by frost. Price, pkt., 5c; 1 oz., 15c; 1/4 lb., 40c; 1/2 lb., 70c; 1 lb., \$1.30 (postpaid).



Early White Bush Squash



Yellow Summer Crookneck

### Yellow Bush ★

670

FLAT scalloped type, like the White Bush; the skin is of a light, yellow color, which is very thin, leaving plenty of meat in the center; a bush or compact growing kind. Price, pkt., 5c; 1 oz., 15c; 1/4 lb., 40c; 1/2 lb., 70c; 1 lb., \$1.30 (postpaid).

## Summer Varieties

### Yellow Summer Crook Neck ★

668

SHAPED like a club with a bent neck. The skin is very rough and warted, of an orange yellow color. Much preferred by the cook on account of its very dry meat when boiled. This is a variety with a running vine. Price, pkt., 5c; 1 oz., 20c; 1/4 lb., 50c; 1/2 lb., 90c; 1 lb., \$1.70 (postpaid).

### Galloway's Special Delicious ★

666

WELL named, as it has the finest flavor of any squash, of oblong shape with a deep green skin and thin rind, with a seed cavity so small that it almost meets in the center. One of the best winter keepers; grown extensively for market; when matured it weighs from 5 to 10 pounds, and is in its prime during the early winter. Price, pkt., 5c; 1 oz., 20c; 1/4 lb., 50c; 1/2 lb., 90c; 1 lb., \$1.70 (postpaid).

## Vegetable Marrow

### Long Cream or Long Green ★

691

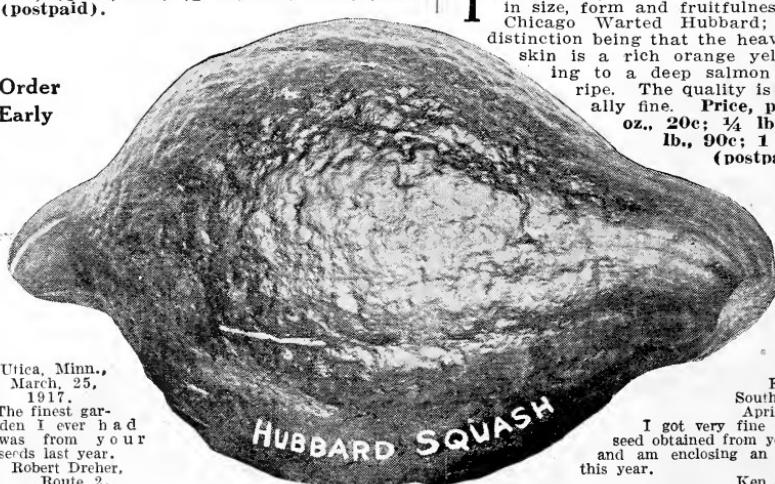
WE had quite a number of customers ask for it and made up our minds that we would secure seed of the two best kinds from the Old Country, and offer it in this season's catalog. In appearance, they resemble a watermelon of the Tom Watson type, but not so large. They are peeled and boiled the same as a turnip, and served up in the same way. The flesh is white and of most delicate flavor. Every one should grow a few hills of this dainty vegetable. Long Cream, price, pkt., 5c; 1 oz., 20c; 1/4 lb., 50c (postpaid). Long Green, price, pkt., 5c; 1 oz., 20c; 1/4 lb., 50c (postpaid).

### Red or Golden Hubbard

667

THIS variety is in every way identical in size, form and fruitfulness with the Chicago Warted Hubbard; the chief distinction being that the heavily warted skin is a rich orange yellow, turning to a deep salmon red when ripe. The quality is exceptionally fine. Price, pkt., 5c; 1 oz., 20c; 1/4 lb., 50c; 1/2 lb., 90c; 1 lb., \$1.70 (postpaid).

Order  
Early



Utica, Minn.,  
March, 25,  
1917.  
The finest gar-  
den I ever had  
was from your  
seeds last year.  
Robert Dreher,  
Route 2.

Eastwood,  
South Australia,  
April 30, 1917.

I got very fine results from  
seed obtained from you last year,  
and am enclosing an order again  
this year.

Ken J. Miller.

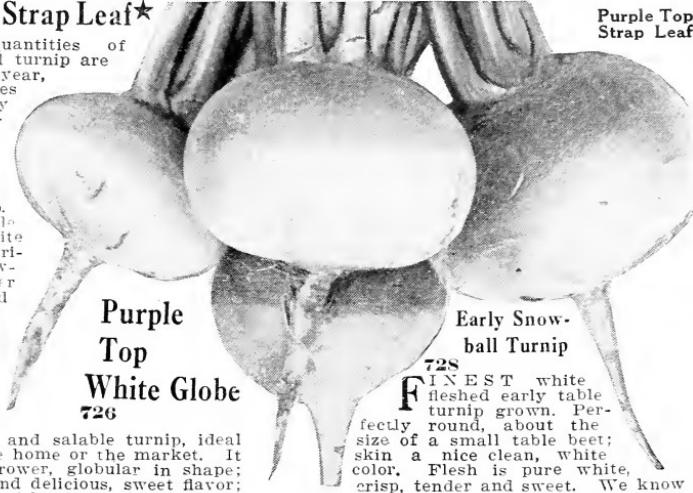
# Turnips and Rutabagas

## 725 Purple Top Strap Leaf

**E**NORMOUS quantities of this celebrated turnip are sold every year, leading seed houses sending out many tons in single season. It is also an excellent stock variety. It is fine grained and of delicious flavor, flesh white and crisp. The skin is purple above ground, white under; excellent variety for late fall sowing and for winter use. Will form good sized bulb in six weeks from time of sowing. Bulbs rather flat. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.40 (postpaid).

**A**HANDSOME and salable turnip, ideal either for the home or the market. It is a rapid grower, globular in shape; flesh, pure white and delicious, sweet flavor; the skin is white with purple top. A very heavy yielder and excellent keeper, extensively grown and pitted for fall and winter use. Price, large pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 55c; 1 lb., \$2.00 (postpaid).

## 726 Purple Top White Globe



## Rutabagas

or Swedish Turnips

## Kelway's Favorite Model

**T**HIS variety is an enormous cropper and the highest quality Rutabaga in cultivation. It possesses very hard, sound flesh. It grows freely in all kinds of soil. It is globe shaped, with a neat short neck, and a clean single tap root. If you sow this seed, you may safely rely upon a record crop. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.50 (postpaid).

Golden Ball



## Early Snowball Turnip

**F**INEST white fleshed early table turnip grown. Perfectly round, about the size of a small table beet; skin a nice clean, white color. Flesh is pure white, crisp, tender and sweet. We know of no table turnip likely to please the housewife more than our Early Snowball. In their raw state they are veritable thirst quenchers. Price, large pkt., 5c; 1 oz., 15c;  $\frac{1}{4}$  lb., 55c; 1 lb., \$2.00 (postpaid).

### Condensed List of Turnips and Rutabagas

No.	Name	Pkt.	Oz.	$\frac{1}{4}$ lb.	1 lb.
729	Cow Horn		\$0.05	\$0.15	\$0.50
728	Early Snowball	.....	.05	.15	.55
730	Early White Flat Dutch	.....	.05	.10	.35
727	Golden Ball or Orange Jelly	.....	.05	.10	.35
731	Improved White Globe	.....	.05	.10	.40
725	Purple Top Strap Leaf	.....	.05	.10	.40
726	Purple Top White Globe	.....	.05	.15	.55
62	Home Garden Mixture	.....		.10	.35

### Rutabaga

No.	Name	Pkt.	Oz.	$\frac{1}{4}$ lb.	1 lb.
745	American Purple Top	.....	\$0.05	\$0.10	\$0.40
743	Hurst's Monarch	.....	.05	.10	.40
742	Kelway's Model	.....	.05	.10	.40
744	Sweet German	.....	.05	.10	.40

## Golden Ball or Orange Jelly

**A**BSOLUTELY the best golden fleshed turnip in existence. It is distinctly a table variety. Matures 6 weeks from time of sowing, producing handsome, small, round roots, with smooth yellow skin and very small tap root; flesh deep yellow, fine grained texture, tender, sweet and rich. A good companion turnip to sow with Early Snowball, both maturing together. Being of quick growth it is finely adapted for spring, summer or early autumn planting. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 35c; 1 lb., \$1.25 (postpaid).

## Imported Hurst's Monarch

**T**HE heaviest yielding yellow flesh kind in cultivation; exclusively grown for stock feeding; it is oblong in shape and very hard. Keeps better than the round kind. Yields about 7 tons per acre more than any other kind of Rutabaga. Price, large pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.50 (postpaid).

# Tomatoes

Culture: How to grow tomatoes, on page 23, is for every tomato lover.

Matchless  
Tomatoes—  
Very Early



## Galloway's Extra Early Garden King ★

**61** AFTER having tried out all the tomatoes on the market, we have decided that Galloway's Garden King stands indisputably at the head of them all for all purposes. It is exceptionally early, the fruits are large and handsome in appearance, being a deep, rich red color. It is quite free from coarse core and the flesh is sweet and juicy right through. If properly cared for, tomatoes weighing  $\frac{3}{4}$  to 1 pound can be confidently expected. An excellent feature about this tomato is the fact that although it grows to an enormous size, very few of the fruits crack. The plants root well right from the beginning of their growth, and develop rapidly into fine sturdy plants, which break into bloom several weeks earlier than other varieties. You will be neglecting your own interests if you don't give our Extra Early Garden King tomato a trial. Price, pkt., 15c; 1 oz., 60c (postpaid).

## Galloway's Matchless ★

**702** AS an early tomato Galloway's Matchless stands without superior. The fruits are borne in large clusters, the stems being completely weighted down with them. They are perfectly round in shape, scarlet color and perfectly smooth. The flesh is solid, of perfect flavor and almost coreless. The skin is fairly tough, making it an ideal variety for shipping and keeping. Price, large pkt., 10c; 1 oz., 40c (postpaid).

## Galloway's New Stone ★

**705** THE largest perfectly smooth, highest yielding, best keeping and finest flavored main crop tomato in existence. The fruit is very large, color bright scarlet, ripening even to the skin without a crack; flesh is firm and solid. An excellent shipper, quality the best, not subject to rot. Price, large pkt., 10c; 1 oz., 40c (postpaid).

## Galloway's Dwarf Champion

**703** HE famous Dwarf Champion tomato owes its wide popularity to its stiff, vigorous, upright growth; with fruit well above the soil, and to its earliness. In color the fruit is a purplish red, and it is always round, smooth and symmetrical; size medium; table quality superior; a good shipper. It is one of the best so-called tree tomatoes. Price, large pkt., 10c; 1 oz., 40c; (postpaid).

## Ponderosa ★

**704** HIS is perhaps the largest of all tomatoes, and is of very fine quality for slicing. The fruit is oblong in shape and deep purple in color; very solid and fleshy with small seed cells. Flavor is very fine. Price, large pkt., 10c; 1 oz., 40c (postpaid).

## Yellow Husk or Ground Cherry

**707** **T**HIS fruit has a pleasant strawberry-like flavor; is much relished raw, but generally used for preserves, for which it is excellent. The small yellow fruits are enclosed in a husk or covering, and when ripe are  $\frac{1}{2}$  inch in diameter; and may be kept all the winter if the husks are not removed. Price, large pkt., 5c; 1 oz., 30c (postpaid).

## Golden Queen

**708** **S**OLID, smooth, large in size and ripens early. Makes a handsome, rich preserve. Its flavor is better and more delicate than that of the red varieties; the flesh finer-grained, and very tender. Price, large pkt., 10c; 1 oz., 40c (postpaid).

# Fruit Shaped Tomatoes

## Yellow Cherry

**708** **A** SMALL-FRUITED, bright golden-yellow variety; very attractive for salads and preserves. Price, pkt., 5c; 1 oz., 30c (postpaid).

## Peach

**710** **T**HESE are excellent for eating raw. The fruits resemble a peach, even to the skin which is covered with a slight bloom as in a peach or nectarine. Price, large pkt., 5c; 1 oz., 30c (postpaid).

## Yellow Plum

**F**RUITS are yellow, plum-shaped, growing in clusters. Excellent. Price, large pkt., 5c; 1 oz., 30c (postpaid).

## Red Cherry \*

**I**DENTICAL with the Yellow Cherry, except in color of fruit, which is of a light scarlet. Price, large pkt., 5c; 1 oz., 30c (postpaid).

## June Pink

**T**HE most desirable of the pink varieties, producing its fruit in clusters; ripens early, of fair size and continues bearing until frost. Price, large pkt., 10c; 1 oz., 40c (postpaid).

January 5, 1917.  
I want to thank you for the seeds I got from you last spring. They were fine, and every seed grew.

Mr. George D. Martin,  
Route No. 1, Shiloh, Ohio.

## Spark's Earliana

**715** **T**HIS is the earliest red tomato known; it is originated with G. W. Sparks, of Salem County, New Jersey, which is the center of the great tomato growing district of New Jersey. The fruits are of a deep scarlet color, produced in clusters of five to eight, averaging  $2\frac{1}{2}$  inches in diameter, and quite solid. Price, large pkt., 10c; 1 oz., 40c (postpaid).

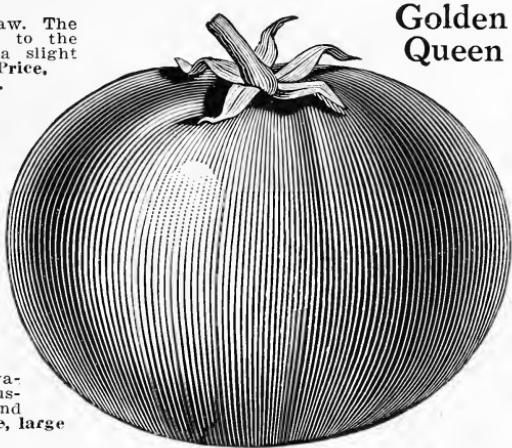
## Bonnie Best

**714** **A** VERY beautiful tomato of the early variety, following the Earliana in ripening; fruit bright scarlet, solid, very productive and attractive; is suitable for both an early and main crop. Price, large pkt., 10c; 1 oz., 40c (postpaid).

## Yellow Pear

**709** **A** SMALL-FRUITED variety, which is golden-yellow. It is very useful for salads, when the fruit is cut lengthwise. Price, large pkt., 5c; 1 oz., 30c (postpaid).

## Golden Queen



December 28, 1916.  
Mr. Wm. Gebers of Adair, Iowa sent me a few of Stock Beet seeds, purchased from you, and they did fine here.

Mr. Louis J. Baerthel,  
Powder River, Wyoming.

## Price List of Above and Other Standard Varieties

No.	Name	pkt.	2 pkts.	oz.
714	Bonnie Best . . . . .	\$0.10	\$0.15	\$0.40
703	Dwarf Champion . . . . .	.10	.15	.40
715	Earliana . . . . .	.10	.15	.40
61	Extra Early Garden King . . . . .	.15	.25	.60
706	Golden Queen . . . . .	.10	.15	.40
713	June Pink . . . . .	.10	.15	.40
702	Matchless . . . . .	.10	.15	.40
705	New Stone . . . . .	.10	.15	.40
710	Peach . . . . .	.05	.15	.30
704	Ponderosa . . . . .	.10	.15	.40
78	Porterhouse (see page 21) . . . . .	.20	.35	.60
712	Red Cherry . . . . .	.05	.15	.30
716	Red Pear . . . . .	.05	.15	.30
708	Yellow Cherry . . . . .	.05	.15	.30
707	Yellow Husk or Ground Cherry . . . . .	.05	.15	.30
709	Yellow Pear . . . . .	.05	.15	.30
711	Yellow Plum . . . . .	.05	.15	.30



## Vegetable Plants and Roots

**W**E make a specialty of growing good strong vegetable plants, and are in position to offer our customers good plants for delivery as soon as they are ready in the spring. Customers will oblige us by placing their orders early, so we can arrange for a sufficient supply. Last year a great many of our customers were disappointed in not being able to secure these plants. We had orders for 30,000 to 40,000 plants which we were unable to deliver. If such orders are sent in early, we can make provisions and have them ready at the proper time. We expect to be able to supply most of the plants by about May 10th; celery plants about June 6th.

### CABBAGE PLANTS

		Postpaid 100 plants	Express collect 1000 plants
4000	Early Jersey Wakefield—The earliest and surest heading of all the cabbages .....	.55c	\$4.50
4001	Early Winningsstadt—A very good early cabbage.....	.55c	4.50
4002	Premium Late Flat Dutch—A very late variety. The best of its kind grown.....	.55c	4.50
4003	Imported Hollander or Ballhead—The best market variety.....	.55c	4.50

### CAULIFLOWER PLANTS

		Postpaid 100 plants	Express collect 1000 plants
4004	King Of The Market—A very good early variety for forcing.....	\$1.00	\$8.50
4005	Early Snowball—The best cauliflower grown.....	1.00	8.50

### ASPARAGUS ROOTS

		Postpaid 25 roots	Postpaid 50 roots	Express collect 100 1000
4014	Bonavalett's Giant—A valuable new variety and is being planted very largely. It is very early, twice the size of the ordinary variety, of excellent flavor, and especially valuable for market purposes .....	.60c	\$1.00	\$0.65 \$5.00

### RHUBARB OR PIE PLANT ROOTS

		Postpaid per dozen roots	Express collect 100 roots
4015	Myatt's Linnaeus—A very early variety, tender and delicately flavored. Requires less sugar than any other variety. Strong 2-year-old plants .....	.60c	\$3.50

### SWEET POTATO PLANTS

		Postpaid 100 plants	Express collect 1000 plants
4006	Yellow Jersey—We offer good strong-rooted plants of this variety .....	\$1.00	\$7.50

### TOMATO PLANTS

		Postpaid per dozen	Express collect 100 plants	Express collect 1000 plants
4007	Matchless—A high class, early and a superior variety .....	.35c	\$1.50	\$10.00
4008	Dwarf Champion—A very famous dwarf variety .....	.35c	1.50	10.00
4009	Ponderosa—The largest of all tomatoes.....	.35c	1.50	10.00
4010	New Stone—The best main crop variety.....	.35c	1.50	10.00

### CELERY PLANTS

		Postpaid 100 plants	Express collect 1000 plants
4011	Imported Solid Crystal White—A great solid white variety. A great market variety .....	\$1.00	\$9.00
4012	Golden Self-Blanching—The leading variety in America .....	1.00	9.00

### EGG PLANTS

		Postpaid 100 plants	Express collect 1000 plants
4013	New York Improved Purple—The leading Egg Plant for home and market use .....	\$1.50	\$10.00

### CHIVE ROOTS

		Postpaid per clump	Postpaid 3 clumps
4016	Chives—A plant resembling a tuft of grass; but the leaves have the flavor of onions. The leaves are used in soups and salads, giving a mild onion flavor to same .....	.25c	60c

### HORSERADISH ROOTS

4017	Horseradish rarely produces seed, but is grown from pieces of the roots. Mark off the rows 2 1/2 feet apart in rich, moist, well-prepared ground, and set the pieces of roots 18 inches apart in the rows, vertically, the small end down, and the top 1 to 3 inches below the surface. Cultivate thoroughly until the tops cover the ground, when their shade will keep down the weeds. Price, small roots, 25c per dozen; \$1.60 per 100 (postpaid).
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# Bedding and House Plants



**4018 AGERATUM (Dwarf Blue).** A grand border plant. The flowers are light blue, and remain in bloom through the whole summer. A few plants of this delightful soon become a mass of dazzling blue. Price (in 2-inch pots) 7c each; 3 for 18c (postpaid).

**4021 ASTER.** Giant Crego Mixed, 50c per dozen (postpaid).

**4019 ASPARAGUS.** Springeri—Perhaps the best known plant introduced in years. Especially useful to grow for decorative purposes or hanging baskets. It grows freely the whole year round, withstands a dry atmosphere, and is an exceptionally fine house plant. Price (in 4-inch pots) 35c each (postpaid).

**4020 PLUMOSIS.**—A beautiful plant with bright green and gracefully arched foliage. Price (in 4-inch pots) 50c each (postpaid).

**4037 ALYSSUM, SWEET.** A magnificent border plant. Snow white, six inches tall. Price (in 2-inch pots) 7c each (postpaid).

**COLEUS (Foliage Plant).** The varieties listed here are selected as the best for bedding purposes, and can be relied upon to give satisfaction.

**4022 Golden Yellow.** Price (in 2-inch pots) 7c each; 3 for 18c (postpaid).

**4023 Dark Red.** Price (in 2-inch pots) 5c; 3 for 20c (postpaid).

**4024 Red and Yellow.** Price (in 2-inch pots) 6c each; 3 for 17c (postpaid).

**4025 Green and Yellow.** Price (in 2-inch pots) 7c each; 3 for 18c (postpaid).

**4038 DRACAENA.** An elegant decorative plant. Splendid grown alone, or as center piece for flower beds. Price (in 4-inch pots) 25c each (postpaid).

**4041 LOBELIA.** A very pretty little blue flower. Makes a very attractive border for geranium bed. Price (in 2-inch pots) 7c each (postpaid).

**4042 PANSY.** Giant Butterfly Mixed—This is an exceptionally fine mixture of pansies, containing all known shades and colors. Price, per dozen, 50c (postpaid).

**PETUNIA.** We have a fine stock of good strong Petunia plants which we know are unequalled for size of bloom and diversity of color. We have taken great pains to select a good stock of these, and can say that our Petunias are the best that are grown anywhere.

**4033 Double Pink, 15c each (postpaid).**

**4034 Double White, 15c each (postpaid).**

**4035 Single (all colors mixed), 10c each (postpaid).**

**4036 SALVIA (Scarlet Sage).** A bed of this old favorite flower always compels attention. We know of nothing that can equal the gorgeous effect of these bright red flowers when in full bloom. Price (in 2-inch pots) 7c each (postpaid).

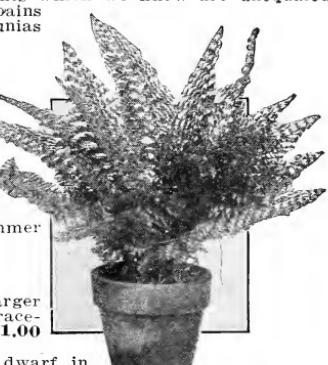
**4043 VINCA.** The well-known and very popular trailing plant. Used very extensively for window-boxes and baskets. Price, strong plants 35c each (postpaid).

**HANGING BASKETS.** Artistically filled with Ferns and Summer plants. Price, \$3.00 to \$5.00 each (express collect).

## Ferns

**4026 Boston**—Well known and popular variety; will grow larger than any other variety. Leaves long and slender, drooping gracefully. Price (in 4-inch pots) 75c each; (in 5-inch pots) \$1.00 each; (in 6-inch pots) \$1.50 each (postpaid).

**4027 Whitmanii**—New crested Fern. This Fern is rather dwarf in growth, but graceful, very compact, dense and feathery. Each frond or branch has a double row of perfect little fronds set at right angles to the mid-rib, and so thick they seem almost crowded. It is a healthy vigorous grower, constantly unfolding fresh fronds of light green that contrast exquisitely with the deep green of the older fronds. Price (in 4-inch pots) 75c each; (in 5-inch pots) \$1.00 each; (in 6-inch pots) \$1.50 each (postpaid).



## Frozen House Plants

Should one be so unfortunate as to have plants slightly frozen, the proper thing to be done is to get the frost out as quickly as possible; because many plants that would not be injured by freezing for a short time, would be destroyed if they were kept in a frozen condition for several hours. To remove the frost quickly, if the plant be small, dip it into a pail of cold water; or, if a large plant, place it in the sink and give it a good showering.

*See Page 60 for Geranium Plants*



# Geraniums—Caladiums—Gladiolus

## Geraniums

THE following geraniums have been carefully selected and are the very best for summer bloom. We have thoroughly tested them all and can recommend them to give perfect satisfaction.

**4031 Beaute Pointevine**—A lovely semi-double salmon. Price (in 4-inch pots) 20c each (postpaid).

**4030 Jean Vaud**—A beautiful shade of bright pink, which does not fade in the hottest weather. One that cannot fail to give entire satisfaction. Price (in 4-inch pots) 15c each postpaid.

**4034 Madam Sallera**—A dwarf variegated white and green foliaged geranium. Splendid for border work. Price (in 2-inch pots) 7c each postpaid.

**4029 S. A. Nutt**—Rich dark crimson; the flowers are perfectly shaped, large size and are produced in great numbers. It is the very best dark red geranium grown. Price (in 4-inch pots) 15c each postpaid.

**4039 Snow Drop**—Pure snow-white, single, large flowers; big truss. Price (in 4-inch pots) 20c each postpaid.

**4040 Ivy-Leaved** (Red and Pink)—This very popular geranium is extensively used for baskets and window-boxes. Very pretty when grown together with Asparagus Fern or Vinca, or both. Price, 25c each postpaid.

## Elephant Ear



Caladium

**3011 (Caladium Esculentum)**

ONE of the most effective plants in cultivation. Equally desirable for lawn planting or for massing in borders for a tropical effect. It has enormous rich green leaves, from which it bears its name.

Large bulbs, 10c each; 3 for 25c.

February 3, 1917.  
I tried some of your seeds a few years ago, and was agreeably surprised at results, so want to get more for planting in 1917.

Mr. Joel Shomaker, Nellita, Wash.

## Gladiolus

### Galloway's Gold Medal Mixture

**No. 8**

THIS lovely flower has made wonderful strides during the past few years. Its popularity today is exceeded by few other flowers and it has by no means reached its limit. There are, of course, good reasons for its popularity. This flower has never been known to fail. It can be planted in any open position and be depended upon to bloom well. As cut flowers they cannot be surpassed, lasting in water fully two weeks after being cut. They flower from early July to late fall. Our mixture is made up of all the latest and best named kinds, and can be depended upon to produce a grand array of large and most beautiful flowers. Price, per dozen, 25c; 100, \$1.75 postpaid; 1,000, \$15.00, by express.

## This Small Hand Seeder Ideal for Any Garden

THE Ozmondson seeder illustrated herewith is one of the handiest garden tools we have ever seen. Illustration shows how it works when planting. Everybody knows how convenient it is to lay a straight flat board on the ground, draw a hoe along the board, making a trench, and then drop the seed by hand. This little hand seeder plants and covers at one operation. The depth it will plant can be regulated by the thickness of the board on which it is used.

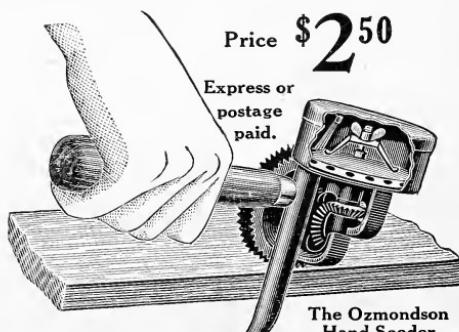
Here's how to use it: Have your ground finely pulverized, just the same as if you were planting every seed by hand. Take a board (a long, straight, smooth one) and place one edge of it right where you want to plant your radishes, onions, parsley, turnips, etc., etc., take the top off the seeder, put in the seed you want to plant, start at one edge of the board and gently, but firmly, draw the cog wheel along the edge of the board and the seed

will drop into the trench that is made by the little shoe which runs along in the soil. You can plant faster, evener, and make your seed go further with the Ozmondson hand seeder, than any other small tool.

This is just the thing to use for small gardens, as it will plant flower seeds, as well as vegetable seeds of many kinds, including radish, onion, turnip, carrot, lettuce, parsley, cauliflower, cabbage, kale, savoy, kohlrabi, endive, leek, peppers, eggplants, ruta bagas, etc.

It is an ideal seeder for planting straight borders of alyssum or other flower seed. It will do the work faster, more evenly, and plant the seeds more evenly in straight rows, than any form of hand planting. If your garden is too small to use a Planet, Jr., then the little Ozmondson Hand Seeder is just what you want.

After you once use it, you will not part with it, as it will be the handiest tool of all in making your spring garden.



The Ozmondson Hand Seeder

We will send it to you prepaid by mail or express anywhere in the United States, for \$2.50.

# Planet Jr. Garden Tools

They are so scientifically constructed that they do 3 to 6 times the work of old-fashioned tools in the same time; or they do the same work with one-third the labor, and they get bigger, better crops because they cultivate more thoroughly. 45 years of practical farming and manufacturing experience is back of every Planet Jr. Fully guaranteed.

No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow

\$17.00



Soon pays for itself in the family garden as well as in the large acreage. Sows all garden seeds (in drills or in hills), plows, opens furrows and covers them, hoes and cultivates quickly and easily all through the season.

No. 25 Planet Jr. Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow

\$20.00



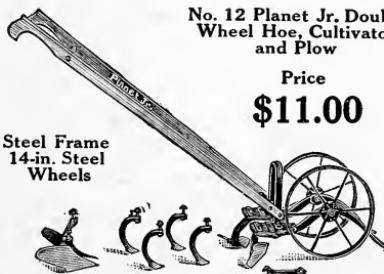
A splendid combination for the family garden, onion grower, or large gardener. It is a perfect seeder, and combined double and single wheel hoe.

No. 12 Planet Jr. Double Wheel Hoe, Cultivator and Plow

Price

\$11.00

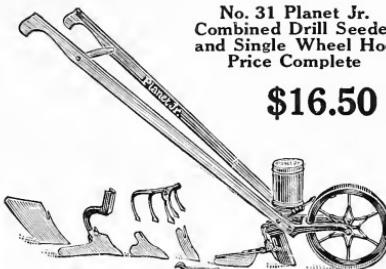
Steel Frame  
14-in. Steel  
Wheels



A single and double wheel-hoe in one. The plows open furrows and cover them. The cultivator teeth work deep or shallow. The hoes are wonderful weed killers. The rakes do fine cultivation. Unbreakable steel frame. The greatest hand-cultivating tool in the world.

No. 31 Planet Jr. Combined Drill Seeder and Single Wheel Hoe Price Complete

\$16.50



This new tool is of great value to gardeners who have never felt able to own either a seed drill or a wheel hoe. It will sow even a small packet of garden seed with great precision. Quickly changed to a splendid wheel hoe. A special machine for the small gardener.

No. 17 Planet Jr. Single Wheel Hoe, Cultivator and Plow

\$7.50



The highest type of Single Wheel Hoe made. Light but strong, and can be used by man, woman, or boy. Will do all the cultivation in your garden in the easiest, quickest and best way. Indestructible steel frame.

Planet Jr. No. 19 Single Wheel Hoe

\$5.50



This combination will delight the suburbanite, the growing boy, women, younger or older, who will find it a light running wheel hoe that will save them hard work and help much to supply the table with fine vegetables.

New 72-page Catalog, free. Describes over 70 seeding and cultivating tools. Write for it!

Lilium Lancifolium  
Roseum

# Lilies HOW TO GROW THEM

Bulbs should be planted as soon as the frost is out of the ground; the earlier the better. Select a well-drained spot, dig the soil deep and make it fine, enriching it abundantly with well-rotted cow manure, adding a liberal mixture of sand. Set the bulbs from three to five inches deep according to size. During the winter it is advisable to cover the surface of the bed with a thin layer of manure which will afford a slight protection to the bulbs and also materially enrich the soil.

## Lilium Lancifolium Album

3013

A PURE white lily with greenish band through the center of each petal. The Speciosums are amongst the most beautiful of the Japanese Lilies. The broad recurved petals are thickly dotted or banded and the graceful form, brilliant coloring and sweet fragrance makes this class of lily one of the most effective and desirable of the whole lily family. Large bulbs (postpaid), each, 15c; per dozen, \$1.50.



## Lilium Lancifolium Roseum

3014

THIS is a very beautiful lily of the Speciosum type. The rich rose spots on pure white have a very striking effect. When grown in clusters together with the album and rubrum they are charmingly effective. They are perfectly hardy. Large bulbs (postpaid), each, 15c; per dozen, \$1.50.

## Lilium Lancifolium Rubrum

3015

THIS lily in habit and form resembles in every way the album and roseum except in color. The beautiful large flowers are spotted and splashed with deep, rich crimson upon a white background, giving them a very attractive appearance. Large bulbs (postpaid), each, 15c; per dozen, \$1.50.



## Lilium Tigrinum Splendens

3008

Improved Tiger Lily

THE grandest of all the Tiger Lilies. Black polished stem, with very large nodding flowers. Red salmon with dark spots. Three to five feet high; very hardy and highly recommended. Large bulbs (postpaid), each, 10c; per dozen, \$1.00.

## Lilium Tigrinum Splendens

3069

Double Tiger Lily

VERY pretty type of Tiger Lily. Flowers double, orange red, spotted with black; when clumped together with the single varieties, they are very effective. Price, each, 10c; per dozen, \$1.00; per 100, \$7.00.

## Cannas

ONE of the most effective of summer flowering plants. For effectiveness, it is not confined to only a few weeks but increases in bloom each day. They can be planted in the open ground as soon as all danger of frost is over in the spring and we are sure that the list below cannot fail to give satisfaction to our customers.

**3022 CHARLES HENDERSON.** Of uniform, compact habit, growing about 3 feet tall. Flowers a deep crimson, with yellow flame at the throat. Price, strong roots, 15c each; \$1.50 per dozen, by express.

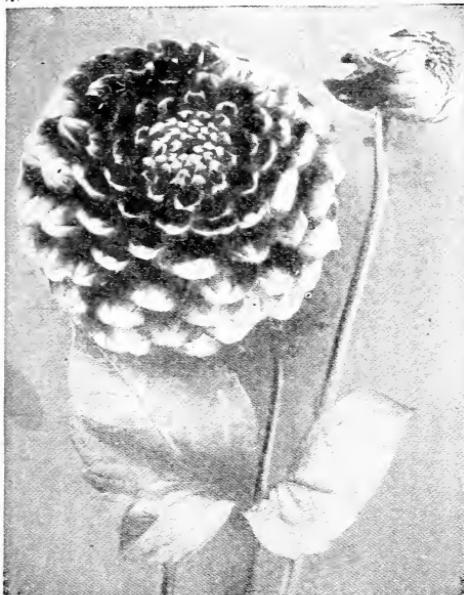
**3023 FLORENCE VAUGHAN.** Height, about 5 feet. A splendid variety. The flowers are a rich golden yellow, thickly dotted with bright golden red. Price, strong roots, 16c each; \$1.60 per dozen, by express.

**3024 QUEEN CHARLOTTE.** A beautiful and distinct variety. Rich pomegranate red, bordered with bright golden yellow. Height, about 4 feet. Price, strong roots, 14c each; \$1.40 per dozen.

**3025 MIXED CANNAS.** Our mixed Cannas contain a long list of choice varieties, such as and including the following well known sorts: Sarlet Bedder, Burbank, Mrs. Kate Gray, David Hartum, etc. Price, strong plants, 10c each; \$1.00 per dozen.

**3026 KING HUMBERT.** Gigantic trusses of orange-scarlet flowers with bright red markings make a splendid contrast with the dark, bronze foliage. The flowers are 6 inches in diameter and of very fine shape, typical of the orchid flowering class. Height, 5 feet. Price, strong roots, 16c each; \$1.60 per dozen.

# The Peer of Fall Flowers = DAHLIAS =



Galloway Dahlia Annie Moore

## Peony-Flowered Dahlia

**3021 A PEONY-FLOWERED DAHLIA.** A new type of Dahlia: flowers are semi-double having two, three or more rows of broad, flat loosely arranged petals, surrounding a conspicuous rich golden yellow center. Petals are often pointed, and sometimes twisted, and in some varieties the inner row of petals twists and curls over the center, giving the appearance of a Japanese Peony, hence its name. The blossoms are very effective and graceful, and adapt themselves to bouquets better than any other type; some are very large and fluffy.

**3021 B BARON G. DE GRANCY, FRAGRANT PEONY-FLOWERED DAHLIA.**

Its remarkable qualities being excellent type, perfect form and purity of color. The color is a waxy, almost glistening, pure white. The first Fragrant White Peony-Flowered Dahlia in existence, and a beauty in every sense of the word. **25 cents each, \$2.50 per dozen.**

**3021 C GLORY OF BAARN, FRAGRANT PEONY-FLOWERED DAHLIA.** The coloring is exquisite, being a delightful clear soft pink; a most pleasing flower whose light rosy tint forms a perfect contrast with the deep green foliage. Its gems are of wonderful size and produced exceptionally freely on long, wiry stems. The beautiful golden yellow center completes the artistically arranged gem and lends an additional charm. **25 cents each, \$2.50 per dozen.**

## Lilium Auratum

**3012 The Golden Rayed Lily of Japan**

THE flowers are pure white, thickly spotted and splashed with crimson. Through the center of each petal runs a clear, broad band of yellow. One plant will often bear as many as thirty blooms and we have seen one plant actually carry seventy of these magnificent flowers. Large bulbs (postpaid), **25 cents each; \$2.50 per dozen.**



Lilium Auratum

We strongly recommend these beautiful flowers to our customers for an attractive bedding plant and something that will give a liberal supply of cut flowers. They are also effective when planted among shrubbery. For best results they should be planted early and we have listed only the varieties of real merit and which we are sure will give satisfaction to our customers.

### Show Dahlias

**3016 ANNIE MOORE.** A fine variegated flower of medium size. Color, a beautiful combination of cherry pink and white. Price, strong plants, 15c each; 3 for 40c (postpaid).

**3017 BON TON.** A fine ball-shaped flower of a deep garnet red. An extra fine dahlia. Price, strong plants, 16c each; 3 for 42c (postpaid).

**3018 MISS BOBB.** Purest yellow, of exquisite form and color. A remarkably handsome flower. Price, strong plants, 14c each; 3 for 38c (postpaid).

### Cactus Dahlias

**3019 AMBASSADOR.** Pure white, medium size. Flower held erect on good stem. Price, strong plants, 16c each; 3 for 45c.

**3020 BEDÉNIA.** Color, a clear, bright orange, striped and flecked with bright red. Petals very long and curved towards the center. Price, strong plants, 19c each; 3 for 50c.

**3021 CORNUCOPIA.** A superb variety: petals very long and regular in form. Deep vermilion, shading darker. Flowers large and produced in profusion. Price, strong plants, 15c each; 3 for 40c.

# Gladiolus

**3026 EUROPA.** The finest pure white Gladiolus. This new variety is of perfect form, produced on strong, stiff, tall spikes, usually bearing from 20 to 25 pure white blooms. The flowers open very rapidly and it is not uncommon to have from ten to twelve of these open at the same time; the formation is very close and compact, making a perfect spike from the time when the first bud opens until the last. **Each, 10c; doz., \$1.10.**

**3027 MRS. FRANK PENDLETON.** A magnificent variety which has won various awards on account of its practicability for cutting, as well as for its beauty. Every bud opens up in water fully and perfectly. Flowers are very large and well expanded, of a lovely flushed salmon-pink, with blood-red blotches in the throat. **Each, 12c; doz., \$1.35.**

**3028 SCHWABEN.** Yellow Gladioli. The flowers of this striking new Gladiolus are of a pure canary yellow, shaded to a soft sulphur yellow when opening; the golden yellow center is blotched with a brilliant brownish carmine. Flowers open 6 to 8 at one time. About twenty finely-formed flowers are produced on extremely strong stalks. The foliage is large and vigorous, of a beautiful dark green, which, combined with the brilliant sulphur-colored flowers, makes it very effective for groups of beds. **Each, 10c; doz., \$1.10.**

**3029 PINK PERFECTION.** Very large blooms of fine form, long spikes of a beautiful shade of apple blossom pink, similar in color to Carnation Enchantress. **Each, 12c; doz., \$1.35.**

**3030 WAR.** A Giant Red Gladiolus. Undoubtedly the largest of all Gladioli, showing from 4 to 6 open flowers at one time. Color, a deep blood red, shading to crimson. **Each, 12c; doz., \$1.35.**

**3031 AUGUSTA.** Lovely pure white with blue anthers. One of the most attractive white varieties. **Each, 5c; doz., 50c; 100, \$2.75.**

**3032 WILLY WIGMAN.** Delicate pink tinted cream, with large carmine red blotch. **Each, 10c; doz., \$1.00; 100, \$5.75.**

**3033 NIAGARA.** Of American character, but somewhat larger; rich cream color deepening to canary yellow on lower petals. A faint carmine blush at tips of petals and streak at throat, with purple stamens and carmine Stigmas, make a combination of exquisite beauty and attractiveness. **Each, Sc; doz., 80c; 100, \$4.75.**

**3041 BRENCHEYENSIS.** This variety is so well known and appreciated that we need not here enter into any lengthy description except to say that it is the most showy of all the Gladioli. Its immense flower spike of dazzling scarlet attracts the attention and admiration of all. This stately flower grown in conjunction with *Hyacinthus*, *Candidaps* and *Delphiniums* make a very fine display, the brilliant scarlet setting off the white and blue shades of the *Hyacinthus* and *Delphinium* to great effect. **Each, 5c; doz., 40c; 100, \$2.50.**

**3042 EMPRESS OF INDIA.** A glorious rich dark mahogany red uniquely veined. **Each, Sc; doz., 80c; 100, \$4.25.**

**3043 BARON HULOT.** Flowers of medium size on good, straight spikes. In color a dark violet, bordering on purple. The finest of its color and a very attractive and showy variety. **Each, 5c; doz., 50c; 100, \$2.75.**

**3044 KUNDERD'S RUFFLED GLORY.** A new departure in Gladiolus form, a recently developed strain having distinctly and beautifully fluted or ruffled petals. This "Glory" variety is of good size in flower and spike, with long stalks. Color, delicate cream pink, with a crimson stripe on each lower petal. **Each, 8c; doz., 80c; 100, \$4.50.**



Gladiolus  
should be in  
every garden  
as they add  
to its color-  
ings and are  
easily culti-  
vated.

**3034 GOLDEN KING.** Golden King resembles its parent, Golden Queen, but is much larger in flower and habit of growth. The color is a bright glistening yellow, with a crimson blotch in the throat. This variety produces a large spike and from 21 to 24 flowers on a plant are common. This variety was awarded the highest honors by the National Gladiolus Society of England. **Each, 10c; doz., \$1.00; 100, \$6.00.**

**3035 AMERICA.** Without an exception America is the most beautiful and useful Gladioli yet introduced. Strong and healthy, with luxuriant dark green foliage. Flower spike two to three feet long, erect with a great number of large spreading blossoms. Color exquisite, soft lavender pink, the same as seen in the most beautiful Cattleya Orchids. No color like it in any other Gladioli, none so beautiful. **Each, 5c; doz., 100, \$2.50.**

**3036 PANAMA.** A new seedling of America which resembles the parent in every way except that it is a much deeper pink. A grand variety which evokes words of praise wherever exhibited. Spike very long with flowers large and well arranged. Many awards. **Each, Sc; doz., 70c; 100, \$4.25.**

**3037 INDEPENDENCE.** All things considered, the best light red in market under name. Strong, upright grower, clean foliage, large cherry flower in perfect shape, marked white and maroon in throat, and on good spike. Stem always straight. Fine by artificial light. **Each, 6c; doz., 45c; 100, \$10, \$2.00.**

**3038 HALLEY.** Delicate salmon pink predominates with a slight rosy tinge, lower petals have a creamy blotch with a bright red stripe in center. **Each, 6c; doz., 45c; 100, \$3.00.**

**3039 MRS. FRANCIS KING.** A new variety which excites great comment and admiration, both for size of flower and beauty; the color of the flower is a light scarlet; the flowers are very large, usually measuring from 3 1/2 to 4 inches in diameter. **Each, 5c; doz., 40c; 100, \$2.50.**

**3040 PRINCEPS.** (The Amaryllis Flowered Gladiolus.) Rich crimson with white blotches across the lower petals. The flowers open out wide and perfect and are of monstrous size. **Each, Sc; doz., 70c; 100, \$4.25.**

See page 60 for our Gold Medal Mixed  
Gladiolus

# Hardy Perennials

**PEONIES** are one of the most effective of the hardy garden plants. Fine as cut flowers or for growing in a border. Easily cultivated. Foliage is handsome and flowers are noted for their rose-like fragrance. Suitable for any position or soil.

## Peonies

### 3000 FIRST PRIZE

**PINK.** Extra large, glistening rose pink blossoms, tips shading to silver. The showiest pink peony grown. Price, each 45c; 3 for \$1.25.

### 3002 FIRST PRIZE

**WHITE.** A general favorite. Large snowy white peony with pink markings in the center. Price, each 60c; 3 for \$1.65.

### 3001 FIRST PRIZE

**RED.** Brilliant American Beauty Rose shade. Immense in size. Price, each 45c; 3 for \$1.25.

### 3003 MIXED PEONIES.

Our choice. All extra strong roots. Price, each 40c; 3 for \$1.10.

**2386 HARDY ASTERS.** Very showy plants that grow from 3 to 5 feet high. Masses of tiny, daisy-like flowers late in summer and early fall. Good for natural landscapes. Assortment of colors. Price, each 25c; 3 for 60c.

**2386 A ENGLISH DAISY.** Bright pink flowers. Attractive for early spring. 6 to 8 inches. Price, each 25c; 3 for 60c.

**2386 B SHASTA DAISY.** Profusion of showy, large flowers during summer. 18 to 24 inches. Price, each 24c; 3 for 59c.

**2386 C HARDY ASTERS.** Resembles wood fern—the kind used by florists in bouquets. Beautiful foliage; remains green all winter. Multiplies rapidly if planted in shady location. Should be watered frequently during dry weather. Price, each 50c; 3 for \$1.35.

**2386 D HARDY SUNFLOWER.** Deep orange-colored flowers borne on long, slender stems. Plants are slightly bushy. 3 to 4 feet. Price, each 25c; 3 for 62c.

**2386 E HARDY HOLLYHOCK.** An old-time garden favorite. Effective along garden wall. Assorted colors. Price, each 25c; 3 for 65c.



1st Prize Peonies

**2386 F HARDY PRIMULA.** Also known as English Cowslip. Flowers in clusters. 6 to 12 inches. Red, yellow and bronze. Price, each 25c; 3 for 69c.

**2386 G GOLDEN GLOW.** Blooms all summer. Tall stems aglow with golden yellow dahlia-like flowers. 5 to 6 feet. Price, each 22c; 3 for 60c.

**2386 H SPEEDWELL.** An effective, branching plant with violet-tinted flowers. 2 feet. Price, each 24c; 3 for 65c.

**2386 I EULALIA JAPONICA.** A tall, ornamental grass. Broad, green leaves. Graceful plumes late in summer. 5 to 6 feet. Price, each 30c; 3 for 75c.



Approach to The Galloway Company's garage; judicious plantings transformed a once barren spot into a beautiful view.

27 Trowbridge St.,  
Belmont, Mass.,  
October 17, 1917.

I write you these few lines to let you know that all the seeds I bought from your firm last year have made everyone take notice of my truck garden this year. I want to thank you for the good luck I had with the seeds.  
Wm. J. Endres.

# IRIS

One of the most beautiful of all perennials

**2401 IRIS GERMAN.** Begins to bloom early in May. Succeeded about middle of June by Japan Iris. We list the three most beautiful of this type. Price, each 24c; 3 for 68c.

**2401 A BLUE SKY.** Medium size. Standards are a fine bluish lavender and iridescent; falls are a velvety purple. A very attractive sort. Price, 2-year-old plants, each 24c; 3 for 68c.

**2401 B CHARLOTTE PATTY.** Medium to large. Flowers are slightly fragrant. Standards a soft yellow; falls lightly feathered and veined with maroon. Price, 2-year-old plants, each 25c; 3 for 70c.

**2401 C FAIRY QUEEN.** A dwarf, late-flowering variety. Upper petals white, falls veined with blue. Price, 2-year-old plants, each 25c; 3 for 72c.

**2402 JAPAN IRIS.** Many beautiful shades in this class. Flowers are large and flat. Bloom after the German Iris. Should be planted in moist, rich soil. Price, 2-year-old plants, each 24c; 3 for 68c.

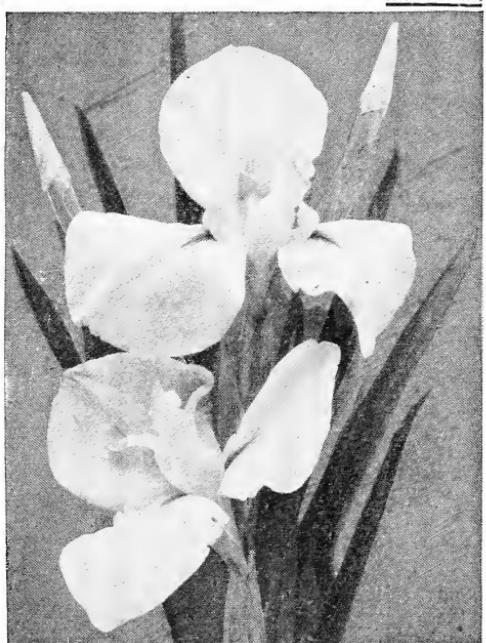
**2402 A PLANTAIN LILY.** Foliage highly ornamental with its white margins. Lily-like flowers are pure white, penciled with delicate lilac. 2 feet. Price, each 22c; 3 for 60c.

## Phlox and Other Perennials

**2403 A PHLOX.** Blooms brilliantly during the dry, summer weather. Easy of culture. Good for massed planting. Assorted colors. Price, each 25c; 3 for 70c.



German Iris



Japanese Iris

**2389 BELL FLOWER.** Platycodon Grandiflora. Large, bell-shaped flowers; violet-blue in color. Blooms from July to October. 2 feet. Price, each 22c; 3 for 59c.

**2393 HARDY PINKS.** Old-fashioned favorite. Require little attention and bloom profusely. Flowers have spicy, clove-like scent. Assorted colors. Price, each 23c; 3 for 60c.

**2393 B LARKSPUR.** A beautiful shade known as Forget-me-not Blue. Branching flower stalks. Does well in rich, deeply cultivated soil. 2 1/2 to 3 feet. Price, each 35c; 3 for 90c.

**2393 C HARDY CHRYSANTHEMUMS.** Bloom profusely in October. Resist early frosts. Should be protected by a light, dry mulch over winter. Plants attain height of 2 to 3 feet. We offer a large assortment of colors. Price, each 25c; 3 for 70c.

**2393 D CAMPANULA CARPATICA.** Carpathian Harebell. Delicate bell-shaped flowers of a lavender-violet shade. Exquisite foliage. 6 to 8 inches. Price, each 24c; 3 for 69c.

Berlin, Wis., January 11, 1917.

My father is an old customer of yours, and speaks most highly of things he has bought from you.

Mrs. Frank Daphne.

Cadott, Wis., January 6, 1917.  
I was well pleased with your seed last year.

Mr. Ernst Lehmann.

# Flower Facts Worth Knowing

**E**VERYBODY loves flowers. Flowers are inexpensive, and if you select the right kinds, are as easy to grow as weeds. There is quite a knack in selecting the right flower seed to produce the right effect for you. Everybody is not familiar with the kind of flower seeds to buy, and the quantity to buy, to make the most satisfactory, quickest showing and results.

There are hundreds of flower seeds offered that, when planted, do not bring satisfactory results. Some are hard to grow, and some do not make the desired effect after they develop.

We make suggestions here which we believe you will appreciate, and which will enable you to get the best and most satisfactory results; and in our selection of flower seeds offered, we have been very careful not to put anything in that you would not care to use, and for that reason we have limited our flower seeds to only the best and most popular varieties.

We might have listed a thousand or more varieties, but this would bewilder you, and would have been a waste of good valuable time on our part; for our Mr. Hall knows from his own experience that your selection would ultimately be made up of the popular varieties mentioned in our list.

If a careful selection is made from our list, we guarantee you perfect satisfaction. You can select from it an unlimited range either for color or for beauty, as our selection has been made to satisfy the most exciting lover of beautiful cut bloom.

## Long-Stemmed Flowers from Seed Suitable for Bouquets or Vases

Aquilegia	Coreopsis	Gypsophila	Salpiglossis
Asters	Cosmos	Larkspur	Scabiosa
Callopis	Dahlias	Lupins	Stocks
Carnation	Delphinium	Marigold	Sunflowers
Centaurea	Dianthus	Mignonette	Sweet Peas
Chrysanthemum	Gaillardia	Poppy	Zinnias

## Fragrant Flowers from Seed (Varieties marked "H. P." are Hardy Perennials)

Abronia	Heliotrope	Mimulus	Stocks
Alyssum	Lavender H. P.	Nicotiana	Sweet Peas
Carnations	Matthiola	Pinks H. P.	Sweet William H. P.
Dianthus Hardy	Mignonette	Scabiosa	Wallflower H. P.
Geranium			

## Ornamental Foliage Plants Grown from Seed

Amaranthus	Coleus	Kochia	Aureum
Canna	Marvel of Peru	Pyrethrum	Ricinus
Cineraria			

## Drooping Plants for Vases, Hanging Baskets, Etc.

Alyssum	Calendula	Nasturtium, Tall	Petunia
Sprengeri	Maurandia	Oxalis	Vinca
Asparagus			

## Beautiful Borders and Backgrounds

**T**HIS handsome border of annuals and perennials is easy to secure. It is a sample of what can be done by proper planting and arrangement of flower seeds. It is inexpensive to secure the seeds and plants for a border or background like this. Look around your home grounds and you may find a location that you could transform into a spot of beauty and add value as well. In this picture Sweet Alyssum is the border in the foreground, while Callopis, Gaillardia, Phlox Drummondii, Delphinium, Foxglove, Salvia, Tigris Lilies and Annual Chrysanthemums form the gorgeous bank behind it.



# Some of Our 1918 Flower Novelties

Add a few to make your Garden complete

**A**NNUALS come in many shades of color and can be grown in beds, planted in houses, or as single-potted flowers. All that is necessary to succeed with them, is a little patience and forethought in their planting. The seed should be started in indoors early, not too thickly planted in the pots or pans in which it is started, and then when the ground warms and the days of frost are over, they may be transplanted into the beds or borders where you want them to bloom. They should be planted where they can have a great deal of sunshine.

## The Chinese Wool Flower

1247

*Celosia Childsi*

**T**HIS wonderful novelty was introduced from China about four years ago, and has proven itself a great success wherever grown. We believe it will be the most magnificent garden annual ever introduced. It is very easy to grow, and remains in bloom from early July until frost. The massive bunches of wool-like flowers and glowing colors combine to make it the showiest and most odd garden flower. Plants grow two to three feet high. The flowers often reach the immense size of two feet in circumference. Scores of branches are thrown out, each bearing a ball of scarlet wool. None of the flowers fade until hit by frost. Flowers, when cut, in a fresh state and carefully dried, retain their shape and brilliant color, and are useful for winter decoration. Start seed if convenient under glass about four weeks before time to transplant to the garden. If the little plants remain too long in pots or seed beds, they will begin to set bloom, which is not desirable. Transplant to the garden as soon as danger of frost is passed. Price, pkt., 10c.; 2 pkts., 15c.

A rare  
Novelty



The  
Famous  
Chinese  
Wool  
Flower

## A Fine Garden of Beautiful Annuals

**T**O grow flowers from seed is the most pleasant and engaging of all outdoor or garden occupations. The planning, selecting, planting, tending, development and blooming of annuals is indeed instructive and pleasant. The picture herewith shows two fine borders of annuals.

Annuals are flowers that come up from the seed and blossom the same year. They embrace plants of all kinds—from sweetly scented Sweet Alyssum to the more stately flowers, such as Salvia, Recinus and Cosmos.

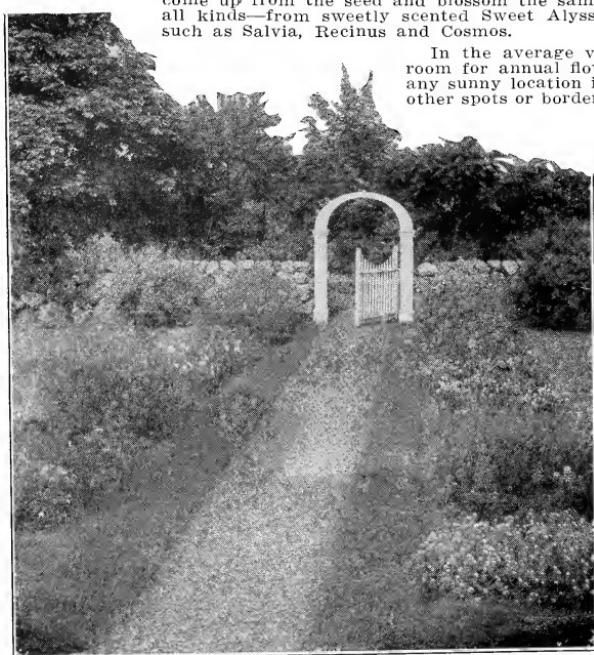
In the average vegetable garden, there is lots of room for annual flowers, and they can be planted in any sunny location in the garden, if you do not have other spots or borders or beds in which to grow them.

One can secure a succession of bloom from early summer until frost, by proper selection of seed of the various annuals. There is nothing easier grown than Sweet Alyssum for borders.

Note in the picture that a plain turf border on each side of the garden walk sets off the annuals planted in the border, to a splendid advantage. A narrow row of Sweet Alyssum inside of this turf border would have improved it.

Annuals include Nasturtiums, African and French Marigolds, Lobelia, Zenias, Salvia or Scarlet Sage, Snapdragons, Asters, Hollyhocks, Candytuft, Dianthus, Golden West, Larkspur, Pansies, Flox Dromondii, Poppies, Portulaca or Moss Rose, Verbinas, etc.

Pick out from five to twenty packages of the splendid annuals that we offer, and with a little well repaid attention, you will be able to secure a profusion and succession of bloom that will be the marvel of your neighborhood.



# Spencer Sweet Pea Novelties

## 1173 Fiery Cross

**F**IERY CROSS has all the appearance of live fire, the color being a scorching fire-red or scarlet, without any shading; and which scintillates and glitters in bright sunlight, thus adding a glowing, fire-like sheen which radiates over the flower. Unlike most of the orange-scarlet varieties, it does not scorch nor burn even during extended periods of intense sunshine; therefore it can be grown in all soils without shading. The beautifully waved and fluted flowers are borne freely in threes and fours, well placed on long stout stems. Price, pkt., 20c; oz., \$1.00.



Dobbie's Cream  
(One Half Size)

**W**E consider this one of the best Primrose Spencers yet introduced. A strong growing, profuse blooming variety, with large, much waved flowers, often duplexed and with many four-blossomed sprays. Price, pkt., 10c; oz., 35c.

## 1158 Lathyrus Latifolius Mixed

**T**HESSE are very valuable from the fact that they are in full bloom early in the spring before the others have begun to flower. They live year after year, bearing magnificent clusters of flowers. Perfectly hardy and grow 8 to 10 feet high. Price, large pkt., 5c; 2 pkts., 8c; 1 oz., 20 cents.

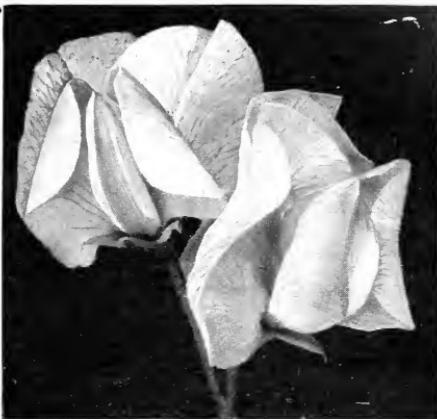
## Everlasting Sweet Peas



These beautiful walk borders are not expensive and can be grown anywhere.

## Plant More Sweet Peas!

Not hating more easily grown — No flowers more fragrant — A range of color unsurpassed.



Jean Ireland (Two Thirds Size)

## 1171 President

**T**HIS is without doubt one of the very finest of the Scarlet Sweet Peas. It is of a glowing self-scarlet color, and a heavy bloomer. The flowers are produced on long stems and retain their beauty a long time after being cut. Price, pkt., 20c; oz., 75c.

## 1169 Jean Ireland

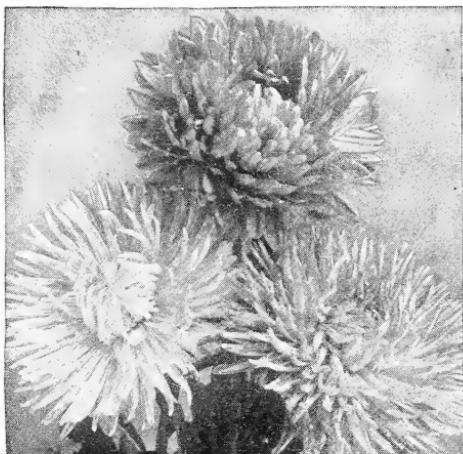
**O**NE of the very latest creations; cream colored, edged with pink; without doubt one of the largest and handsomest sweet peas ever introduced. The flowers are borne on long stems, usually in clusters of four blooms, making them exceptionally desirable for cutting. Price, pkt., 20c; oz., 75c.

## 1159 Dobbie's Cream

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**W**E consider this one of the best Primrose Spencers yet introduced. A strong growing, profuse blooming variety, with large, much waved flowers, often duplexed and with many four-blossomed sprays. Price, pkt., 10c; oz., 35c.

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Early Gem Asters

### Galloway's Early Gem Aster

**1002** (Mixed)

A TRULY magnificent Aster of branching pyramidal form. The blooms are borne on long, strong stems which make them ideal for cutting. The blooms, however should be cut before fully expanded, and allowed to develop after cutting; this prolongs their usefulness as cut flowers. Has a larger range of color than most Aster mixtures. Price, pkt., 10c; 2 pkts., 15c.

### Hardy Garden Pinks

**1083** (*Dianthus Semperflorens*)

V ERY beautiful, ever-blooming, sweet-scented, double, semi-double and single flowers in great diversity of color. Price, pkt., 5c; 2 pkts., 8c.

### Sweet Alyssum

**1010**

A FINE old-fashioned flower, appreciated by everyone, especially those requiring a good, pure white edge to their garden or a good plant for rock-work or hanging baskets. It is a beautiful, pure white, sweet-scented and quite dwarf flower, growing only about 4 inches high. It blooms most profusely, one plant alone sometimes bearing upwards of one hundred pretty heads of bloom. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 20c.

### Balloon Vine

**1022** (Love in a Puff)

A NNUAL climber of rapid growth; foliage very pretty; flowers white; seed vessels look like miniature balloons. Height, 8 feet; succeeds best in light soil and warm situation. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 25c.

## ASTERS

### Giant Comet Aster

**1001** Mixed

THIS lovely Aster is perhaps better known than any other. It is a very large flowered variety. Its loose petals make it resemble a good-sized Chrysanthemum. Single blossoms sometimes measure 4 to 5 inches across. Blooms right through summer. Owing to the great diversity of color, a bed of Giant Comet Asters have a wonderfully gay and enlivening effect. This seed furnishes all colors of Asters. Price, pkt., 15c; 2 pkts., 25 cents.

### 1000 Mixed Giant Victoria Aster

IMPORTED by us direct from the leading Aster specialists, and can be relied upon to produce a magnificent display of perfect blooms, unequalled for their gorgeous coloring. Flowers as large as Chrysanthemums, and grow about 18 inches high. Price, pkt., 7c; 2 pkts., 12c.

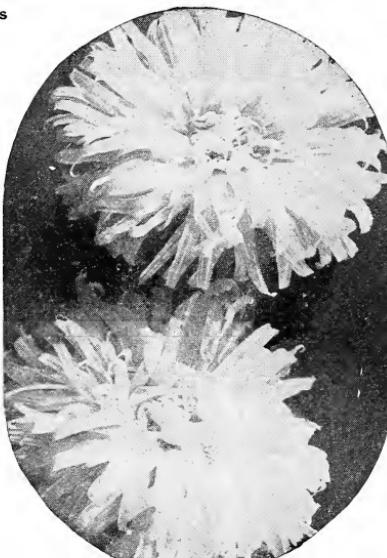
### Giant Victoria Aster

**1003** (Separate Colors)

We offer the following in separate colors of our Giant Victoria Asters:

Snow White  
Flesh Pink  
Deep Purple  
Crimson  
Light Blue  
Scarlet.

Price of any of above varieties, large pkt., 10c.



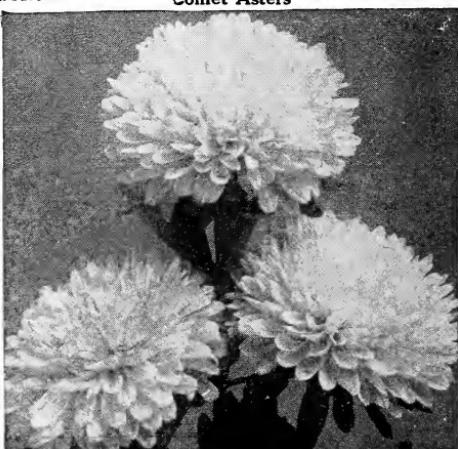
Victoria Asters

Comet Asters

### Rock Cress

**1016** (*Arabis Alpina*)

A HARDY perennial and one of the earliest and prettiest spring flowers. The spreading tufts are covered with a sheet of pure white flowers as soon as the snow disappears. Unparalleled for rockeries or edging; withstands the drought, and is always neat; 6 inches high. Price, pkt., 5c; 2 pkts., 8 cents.

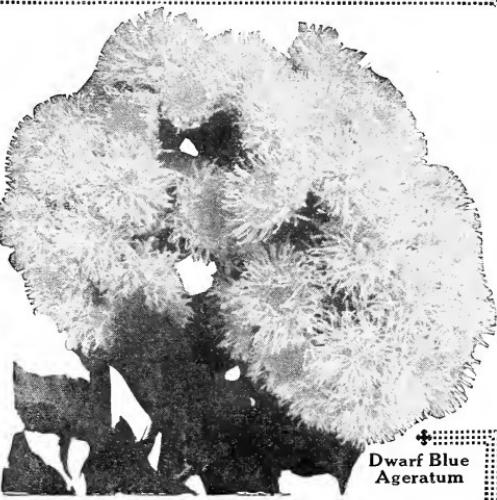


# Daisies—Vines—Snap Dragons

## Ageratum

### Dwarf Blue

**A** GRAND border plant; flowers light blue and remaining in bloom through the summer. A few plants of this delightful little flower will soon cover a good-sized flower bed, as the plants when well started extend themselves rapidly and soon become a mass of dazzling blue flowers. We don't know of a flower anywhere better suited to the border or for window boxes than this delightful little flower. Price, pkt., 5c; 2 pkts., Sc; 1 oz., 50c.



Dwarf Blue  
Ageratum

## African Daisy

### Arctotis Grandis

**A** REMARKABLY handsome annual from Southwest Africa. It forms much-branched bushes 2 to 3 feet high; its flowers are large and showy, being pure white on the upper surface; the reverse of petals lilac-blue. It is easily grown from seed, and may be started in hotbed, in the house, or in the open ground, the seed germinating in about five days; and the plants may be expected to come into bloom early in July and continue until quite hard frost. Price, pkt., 5c; 2 pkts., Sc.



Bachelor's  
Buttons

## 1014 Bachelor's Buttons (Mixed)

**T**HE beautiful, artistic flowers are borne on long stems and when cut will stand for a long time in perfect condition. A bed of these with Marigolds (African and French), Poppies and Zinnias make a grand display. Our mixture contains a fine range of color, pure white, lilac, rose, pink, lavender and purple. A packet of our seed is sufficient for a fair size bed. Price, large pkt., 5c; 1 oz., 30c.

## Antirrhinum (Mixed)

### 1003 Snap Dragon

**A** NOTHER real old favorite. Everybody knows the old-fashioned Snap Dragon. You can see it growing in all the best gardens throughout the country. Unusually effective bedding displays are made from these noble plants. They withstand both wet and drought and produce beautiful stems of every range of shade and color, and continue to bloom in increasing profusion until frost cuts them off. Price, large pkt., 5c; 2 pkts., Sc; 1 oz., 40c.

## Antirrhinum

### (Solid Colors)

We offer the following range in separate colors: Antirrhinum Giant White, pkt., 5c; oz., 50c. Antirrhinum Giant Scarlet, pkt., 5c; oz., 50c. Antirrhinum Giant Yellow, pkt., 5c; oz., 50c. Antirrhinum Giant Pink, pkt., 5c; oz., 50c. Antirrhinum Giant Striped, pkt., 5c; oz., 50c.

## Japanese Bell Flower

### 1176 (Platycodon Grandiflorum)

**A** MEMBER of the Campanula family, with handsome branching spikes 2 to 4 feet high. Platycodon is considered by many to be the best bell flower. They bear large, showy, deep-blue or white flowers continually from July until frost. Of easy culture. Price, pkt., 5c; 2 pkts., Sc.

# More Favorites =

## Carnations

**1029. (Marguerite Mixed)**

SOW under glass in January and February, and transplant as soon as ready. They commence to flower in July, producing a wealth of large blooms of great variety in color, until cut off by the frost. Being equally valuable for indoor cultivation, some can be potted and placed in a cool greenhouse, where they will provide a succession of bloom during the winter months. They produce a very large percentage of double flowers and include a most varied assortment of fancy yellow ground bizarre, as well as selfs, rich with delightful fragrance and diversity of color. Price, pkt., 5c; 2 pkts., 8c.



Carnation Marguerite

## Bartonia Aurea

**1026**

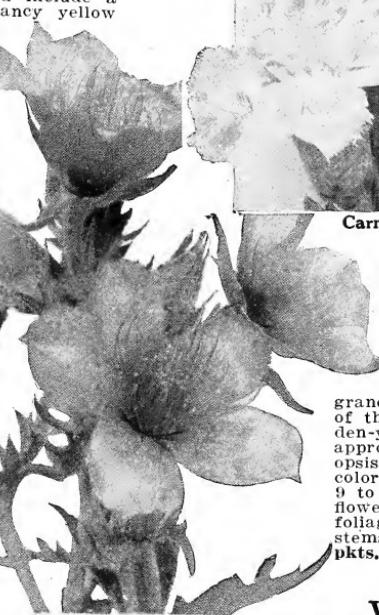
ONE of the most showy of annuals, excellent both for beds and borders; producing showy, golden-yellow flowers. The foliage is gray and thistle-like, and is exceedingly brilliant in the sunshine. It will not stand transplanting, so should be sown where intended to bloom. Sow in the open ground early in May. Blooms through summer and fall. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 15c.

## 1036 Canary-Bird Vine

EASY-GROWING, free-blooming annual climber for house or garden. Bright yellow flowers resembling a canary bird with extended wings. Grows ten feet. Price, pkt., 5c; 2 pkts., 8c.



Candytuft



Bartonia

## Calliopsis

**1259 (Golden Crown)**

FEW annuals are so easily grown and so satisfactory as Calliopsis; and this grand variety we consider one of the best, having large golden-yellow flowers that closely approach the perennial Coreopsis Grandiflora in size and color. Forms compact plants 9 to 10 inches high, with the flowers thrown well above the foliage on strong 18-inch stems. Price, pkt., 10c; 2 pkts., 15c.

## Candytuft, White Rocket

**1028**

T flowers in profusion throughout the season; its dwarf habit, growing from 4 to 5 inches high, makes it a fine border plant. Perfectly hardy, grown easily; splendid for cut flowers. Extremely fragrant. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 20c.

## Cathedral Bells

**1049 (Cobaea Scandens)**

ONE of the handsomest and most rapid growing of the annual climbers. Climbs 30 feet in a season. The flowers are bell-shaped. Very prolific and perfectly hardy. The vine is always clean and free from insects. Flowers blue, white and pink. Price, pkt., 10c; ¼ oz., 30c.

## Baby Eyes

(Nemophila)

A CHARMING little annual plant, thriving especially well in moist, shady places, but quite at home in the open garden. The pretty, bell-shaped flowers, in shades of blue, and variously marked, are freely produced all summer. Plants 8 inches in height, of neat, bushy habit. Mixed varieties. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 20c.

## Baby's Breath

(Gypsophila)

T HE delicate, mist-like sprays of the Gypsophila are invaluable for bouquets. They serve to lighten the effect of masses of other flowers, and are especially useful with sweet peas, and other flowers that can readily be cut with their own foliage. Flowers snow-white. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 25c.

## Calliopsis—Cosmos—Chrysanthemums



Calliopsis

### Cosmos (Mixed)

**1038 (Extra Early Flowering)**

THE earliest flowering variety in cultivation. Seeds sown in open ground, in early May, will produce blooming plants in July, and continue a mass of bloom until killed by frost. This desirable trait is now so well established, that instead of a few plants coming early, as in all other so-called early varieties, our Extra Early Cosmos is uniformly early and will bloom in any part of the North. Its delicate fern-like foliage and conspicuous crimson, pink and white flowers form a pleasing contrast. The flowers are of good average size and are borne upon long stems, well above the foliage. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 20c.



Early Flowering Cosmos

### Cosmos (In Separate Colors)

(Extra Early Flowering)

1 pkt. 2 pkts.

**1039—Deep crimson.** Price... 5c 8c

**1040—Bright Pink.** Price... 5c 8c

**1041—Pure White.** Price... 5c 8c

### Cucumber (Wild)

**1045**

ORNAMENTAL climbing cucumbers, with curious fruits, remarkable for its luxuriance and rapidity of growth. Height, 15 feet. Hardy annual. Price, large pkt., 5c; 2 pkts., 8c; 1 oz., 50c.

### Calliopsis (Coreopsis) (Large Flowering Mixed)

**1051** THESE new large-flowering sorts are great improvements; the plants form perfect little bushes about 10 inches high by 1 foot across, and are a mass of bloom from early summer until frost. The flowers average nearly 2 inches across and range through yellow, golden and crimson colors, usually with a garnet eye. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 25c.

### Chrysanthemum

**1055 (Annual)**

BEAUTIFUL in beds and borders and good for window boxes or cutting. Sow seeds in spring in boxes for early flowering, and in the open for general work. Sow in the open ground early in May where they are intended to bloom. Some varieties make useful pot plants; for this purpose they should be sown under glass and thinned out. One and one-half feet high. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 20c.



Early Flowering Cosmos

### Chrysanthemum

(Giant Japanese Mixed)

**1265** MIXTURE of the large-flowering florists' varieties. This mixture contains the large, autumn flowers used in exhibitions by florists. They are usually grown from cuttings, and do not come true from seed. Price, pkt., 10c; 2 pkts., 15c.

### Columbine

**1020 (Long-Spurred Aquilegia)**

HARDY perennial of great beauty and utility in borders, where they will bloom freely when established, early in the summer. The long-spurred type, of which we make a specialty, gives elegant cut flowers. Price, pkt., 5c; 2 pkts., 8c.

### Cypress Vine

**1047** ONE of the most beautiful climbers; fine, delicate cut foliage, dotted with small scarlet flowers. For covering pillars, trellis work, etc., it is unsurpassed in grace and beauty. Height, 12 feet. Tender annual. Mixed color. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 25c.

# Pinks—Stocks—Four O’Clocks—Foxgloves

## Indian Pinks

**1057** (*Dianthus Chinensis*)

UNQUEALLED for color and fragrance. They produce an immense wealth of bloom. For cut bloom they are hard to beat. The more you cut them, the longer and stronger they continue to bloom. They can be grown in any soil, and withstand drought better than most other flowers. For early flowering, sow seed in boxes in the early spring and transplant to the open ground when weather will permit; or sow in the open ground when all signs of frost are past. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 35 cents.

## Evening Scented Stock

**1101** (*Matthiola Bicornis*)

A DAINTY little flower with a delightful odor, seen in all old-fashioned gardens. The flowers are purple-lilac, and emit an entrancing odor during the evening and after showers. Sow in the flower bed or border as soon as all signs of frost are past. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 50c.

## Forget-Me-Not

**1095** (*Myosotis Palustris*)

H ALF-HARDY perennial, which flowers the first year from seed if sown early. Will bring forth lovely blossoms throughout the whole summer and fall. Flowers are borne on long, stiff stems and of the most exquisite sky-blue, with a delicate white center. They succeed best with moisture in a somewhat shaded position. Price, pkt., 5c; 2 pkts., 8c.

Dianthus



## Foxgloves

(*Digitalis*)

THE Foxgloves are quite stately and highly ornamental plants, when well grown, with flower stems at least three feet in height. They are fine for mixed border, or planted singly in half-shady places near a walk or drive. The racemes of flowers are often two feet in length, containing scores of the prettily-spotted thimble-shaped flowers. Perfectly hardy. Sow the seed in the spring in the garden, and transplant as desired. Perennial. MIXED VARIETIES. Price, pkt., 5c; 2 pkts., 8c; 1/4 oz., 25 cents.

## Four O’Clocks Mixed

(*Marvel of Peru*)

THIS handsome, well-known, free-flowering garden favorite does well in any soil and under almost all conditions. Produces large flowers of many brilliant colors. The flowers are at the height of perfection during the afternoon. Height, 2 feet. Sow seed where intended to bloom in May. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 30c.

## Godetia

(*Gloriosa*)

THE loveliest of all the Godetia family, producing long spikes with 16 to 18 beautiful deep crimson flowers, excellent for cutting. A spike of half-opened buds continues to develop a long time, if fresh water is supplied each day. A bed of Gloriosa is exceedingly effective, especially when Sweet Alyssum or White Candytuft is grown for a border. Price, pkt., 6c; 2 pkts., 10c.

## Godetia

(Mixed)

THIS delightful flower is not so widely known as it deserves to be. The habit of the species is excellent and the glossy, silky texture of the petals is worthy of inspection. The Godetia makes an excellent cut flower, a spike of open buds continuing to develop for a long time, if fresh supplies of water be given daily. It also makes an effective pot plant for the greenhouse when sown at the end of summer and kept growing through the winter in a cool house. Sow in the open ground in May where they are intended to bloom. Put in a bed of Godetias and Larkspur mixed, and you will certainly be delighted with the effect. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 40c.

## Dusty Miller

**1030** (*Centaurea*)

A VERY effective border plant popular everywhere, its thick white, silvery leaf being very much admired. Price, pkt., 5c; 2 pkts., 8c.



Larkspur

## Hollyhocks—Larkspur

### Hollyhock

1075

**A** COMPARATIVELY new class, of easy culture, and flowering as quickly from seed as any garden annual. The plants from early sown seed set out in May, begin flowering in July; the May sown, in August; but in either event, they flower profusely until frost. The plants are vigorous in growth and naturally branching in habit, and if given the best of treatment will thrive luxuriantly. The soil should be very rich, deeply dug; and during dry weather, water liberally. The diversity of colors and color combinations in this strain, including maroon, pink, rose, crimson, white, cerise, scarlet, and many variegations of dainty and exquisite blending. To insure early bloom, it is best to sow Hollyhocks about March or April in boxes or pans in a cold frame, or where they will be protected from frost, and transplant them where they are intended to bloom early in May, or when all signs of frost have passed. Price, pkt., 10c; 2 pkts., 15c;  $\frac{1}{4}$  oz., 30c.

### Hollyhocks

1077

(Double Show Varieties in Separate Colors)

**W**E offer a most complete collection of these old-fashioned flowers in the following distinct colors:

Double Crimson . . . . .	.6c per pkt.
Double Rose . . . . .	.6c per pkt.
Double Salmon . . . . .	.6c per pkt.
Double Sulphur Yellow . . . . .	.6c per pkt.
Double Pure White . . . . .	.6c per pkt.

Complete collection of above 5 separate colors, 25c.

### Passion Flower

1170

(*Passiflora Coerulea*)

**A**MOST interesting and well-known order of climbers, bearing singularly beautiful flowers. They are the pride of South America and the West Indies, where the woods are filled with their species, climbing from tree to tree, bearing flowers of striking beauty. Price, pkt., 5c; 2 pkts., 8 cents.

### Gourd

1071

(Ornamental)

**R**APID growing annual climbers for covering arbors, fences, etc., with ornamental foliage and curious shaped fruit. Price, pkt., 5c; 2 pkts., Sc; 1 oz., 30c.

### Larkspur

1081

(Dwarf Rocket)

**O**NE of the easiest of easy flowers to grow, and certainly one of the prettiest. It is the annual Delphinium, grows  $1\frac{1}{2}$  to 2 feet high. Fine for cut flowers and for the border; blue, rose, white, delicate pink, carmine, light blue, mauve, purple, etc., spikes of bloom. Don't miss the real pleasure to be derived from a batch of these glorious flowers. If you have any favorite colors, you will surely get them all in a batch of our Dwarf Rocket Larkspurs. Sow in boxes in the early spring, and protect from frost; or sow in the open ground in May. Price, pkt., 5c; 2 pkts., Sc; 1 oz., 30c.

### Golden Rod

1073

(*Solidago Canadensis*)

**T**HE well-known golden-yellow favorite; hardy perennial; 2 to 5 feet in height. Price, pkt., 5c; 2 pkts., 8 cents.

### Blanket Flower

1027

(*Gaillardia Hybrid Mixed\**)

**R**EMARKABLE for the profusion, size and brilliancy of flowers, blooming from early summer to November. Excellent for border or for cut flowers. Price, pkt., 10c; 2 pkts., 15c; 1 oz., 40c.



Hollyhock

# A Page of Old Favorites

## Mignonette

### 1085 Mammoth Flowering, Sweet Scented

**S**OON in the open ground after all fear of frost has passed. Our Mammoth Flowering Mignonette is much superior to the common variety so often bought in the stores that will develop into nothing much better than a weed. The most beautiful bright red Mignonette in existence; the color being a magnificent pure bright red; extremely showy and enormous grand flowers; foliage beautiful rich green; a perfect flower for cutting, will remain quite fresh and fragrant for 10 to 12 days in water, the water being changed each day. Price, pkt., 5c; 2 pkts., Sc; 1 oz., 15c.



### 1091 Japanese Kudza Vine

**T**O this must be awarded first place as the fastest growing hardy climbing plant. It will grow 8 to 10 feet the first year from seed, and after it has become established, there seems to be no limit to its growth, 50 feet in a single season being not unusual. Its foliage is large and covers well; it bears small racemes of rosy-purple, pea-shaped blossoms towards the end of August. A splendid subject for covering permanently verandas, dead trees, etc. Price, pkt., 5c; 2 pkts., Sc.

### Mourning Bride



Galloway's Sweet Scented Mignonette

## Mourning Bride

### 1087 Sweet Scabious Mixed

**T**HEY range in color from the purest white to the richest purple. No matter what your fancy colors may be, you will find them in this splendid mixture. When given plenty of room and the seed vessels are kept regularly picked off, it will bloom right through the summer and fall. One of the finest plants for bed or border, and for cutting it is hard to surpass. Height, 18 inches. Sow the seed in heat in February and March in a pan or small box, and transplant the seedlings 3 inches apart in larger boxes; harden off as spring advances, and set out in the border towards the end of May. They may also be sown where intended to bloom. Price, pkt., 5c; 2 pkts., Sc; 1 oz., 50c.

## Tall Nasturtiums

### 1107 Giant Flowering Mixed

**T**HIS grand mixture contains a wealth of color seldom found in other mixtures: Crimson, rose, yellow, pink, orange, white, spotted, etc., etc. They are easy to grow. All they need is moderately good soil in a well-drained sunny position, and from within a few weeks from the time they are sown, until hard frost comes, there is an endless confusion of gorgeous blossoms. An excellent and luxuriant climber for verandas, trellises, etc. Useful for covering unsightly buildings. Price, pkt., 5c; 1 oz., 10c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 60c; 1 lb., \$1.00.

## Hyacinth Bean

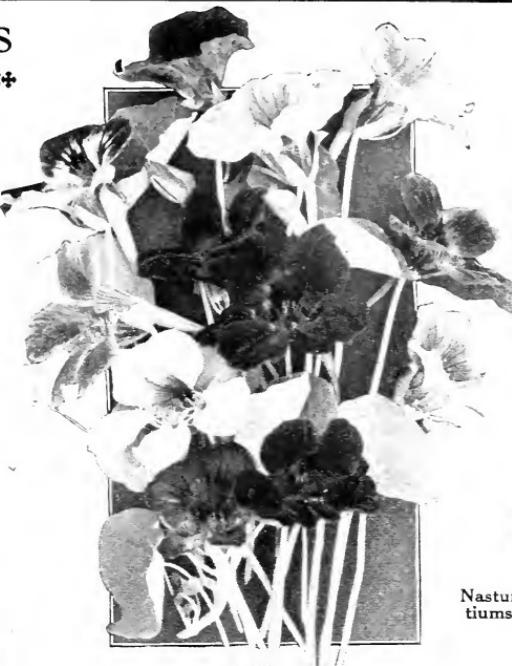
### 1059 Dolichos Lablab

**S**PLENLID climbers with abundant clustered spikes of purple and white flowers, which are followed by exceedingly ornamental seed pods. It is of rapid growth and often runs 30 feet in a season. Average height, 10 to 20 feet. Tender annual. Price, pkt., 5c; 2 pkts., Sc; 1 oz., 15c.

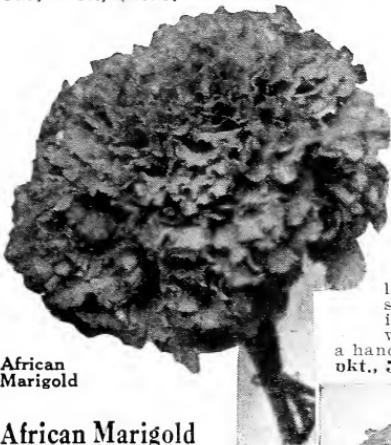
# For All Gardens

## Dwarf Nasturtiums Tom Thumb Giant Flowering

**1127** THERE is no finer mixture anywhere than our Giant Flowering Tom Thumb. It contains all the known shades and colors in the Nasturtium family. All the new varieties from the best growers. Individual plants grow about 10 inches to 12 inches high, and about 12 inches across, and are completely covered with mammoth flowers measuring from 2 to 3 inches. For flower beds, borders, window boxes or hanging baskets. Seed sown in the open ground in the spring will produce plants that commence blooming during early summer and continue right on to late frost. Our mixture contains, amongst others, the following shades and colors: Crimson, red, rose, purple, pink, yellow, orange, carmine, creamy-white, striped, blotched, etc. Price, pkt., 5c; 1 oz., 15c; 1/4 lb., 35c; 1/2 lb., 60c; 1 lb., \$1.00.



Nasturtiums



African Marigold

## African Marigold

**1103**

THE African Marigold produces densely double flowers 8 to 10 inches in circumference and of the regularity and perfection of a Dahlia. For effective garden display during the summer and fall, nothing can surpass. Color of flowers brilliant golden-orange and pale canary-yellow. Price, pkt., 5c; 2 pkts., 8c; 1/4 oz., 20c.



## Tall Nasturtiums

**1281** (Variegated Leaved Mixed)

EVERY leaf is variegated with yellow, white and green. Some of the leaves are one-half to two-thirds white and yellow; while others are mostly green, but beautifully striped and blotched. The flowers are of all colors. Price, pkt., 10c; 2 pkts., 18c; oz., 30c.

## French Marigold

**1105**

ONE of the prettiest Marigolds; grows about 12 inches high, and is literally covered with light, dark-brown and gold striped flowers. Owing to its deep root, it is able to withstand drought. Makes a handsome edging plant. Price, pkt., 5c; 2 pkts., 8c; 1/4 oz., 20c.

## Dwarf Nasturtiums

**1283**

(Variegated Leaved Mixed)

COLORS range from deep crimson to yellow, buff and spotted; of fine form and of the largest size. Very effective, forming a fine contrast to the foliage. Useful for growing as single plants among other flowers for edging walks, or surmounting walls. Price, pkt., 10c; 2 pkts., 18c; oz., 30c.

# Giant Double Poppies



Giant  
Double  
Poppy

## Giant Double Poppies

**1137 A Beautiful Mixture**  
IN this mixture is included only the richest, most brilliant and loveliest shades and colors. The flowers, which are 4 to 5 inches in diameter, are produced in great abundance on stems 2 1/2 to 3 feet long; and if the seed pods are plucked off as they mature, a continuous supply of bloom may be expected for many weeks. One packet contains sufficient seed to make a gorgeous display. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 25c.

## Iceland Poppy

**1136 WHILE** these are hardy perennials, they flower the first year from seed, blooming almost as quickly as the annual sorts. They are of graceful, neat habit, with bright green, fern-like foliage, formed in tufts, from which issue slender stalks about 12 inches high, bearing their brilliant flowers in endless profusion. They remain green throughout the winter, coming into bloom early the following spring. Mixed colors. Price, pkt., 5c; 2 pkts., Sc; 1 oz., 40c.

## White Swan Poppy

**1138 IMMENSE** double flowers, beautifully fringed and of purest white; of the same dwarf habit as Cardinal. Price, pkt., 5c; 2 pkts., Sc; 1 oz., 40c.

## Cardinal Poppy

**1139 A SPLENDID** dwarf variety of the carnation-flowered type, growing about 2 feet high and bearing large, globular, fringed flowers of an intense cardinal red. Price, pkt., 5c; 2 pkts., Sc; 1 oz., 40c.

## Orange African Daisy

### 1063 Dimorphotheca Aurantiaca

**A RARE** and extremely showy annual Daisy from South Africa which thrives under our climatic conditions perfectly. The bushy plants grow 12 to 15 inches high. The flowers, 2 1/2 inches across, are a unique, rich, glossy, orange-gold, with dark discs. Sow the same way as Aster. Should have a sunny position. Bloom greater part of summer and fall. Price, pkt., 5c; 2 pkts., Sc; 1/4 oz., 50c.

## Lady Slipper (Double Flowered)

### 1024 Balsam, Camellia

**A RICH** soil is not necessary; all they require is plenty of room. The gigantic flowers are double and perfect about two inches in diameter. As the colors are some of the most beautiful to behold, their gorgeous splendor is a remarkably attractive sight. Price, pkt., 5c; 2 pkts., Sc; 1 oz., 20c.

## Morning Glory

### 1089 Japanese Improved or Giant Flowering

**FLOWERS** of huge size, with colorings and markings that are quite beyond description. They include every shade and color from snow-white to deep purple. Many are spotted, marbled, striped, flaked, and splashed. Price, pkt., 5c; 2 pkts., Sc; 1 oz., 15 cents.

## Hardy Larkspur

### Delphinium Belladonna

**T**HE free-est and most continuous blooming Hardy Larkspur, never being out of flower from the end of June until cut down by severe frost. The clear turquoise blue of its flowers is not equalled for delicacy and beauty by any other flower. Seed sown in the early spring will produce plants that will bloom freely through the late summer and autumn.

Among the best plants for mixed borders, where they make an imposing display with their long spikes of graceful flowers, ranging in color through many shades of blue and others. Perennial Larkspurs grow better than annual varieties; they should be planted further apart. By keeping the plants well watered, and the flowers cut, a second crop of bloom may be had. Price, pkt., 10c; 2 pkts., 15c.

## Orange Crown

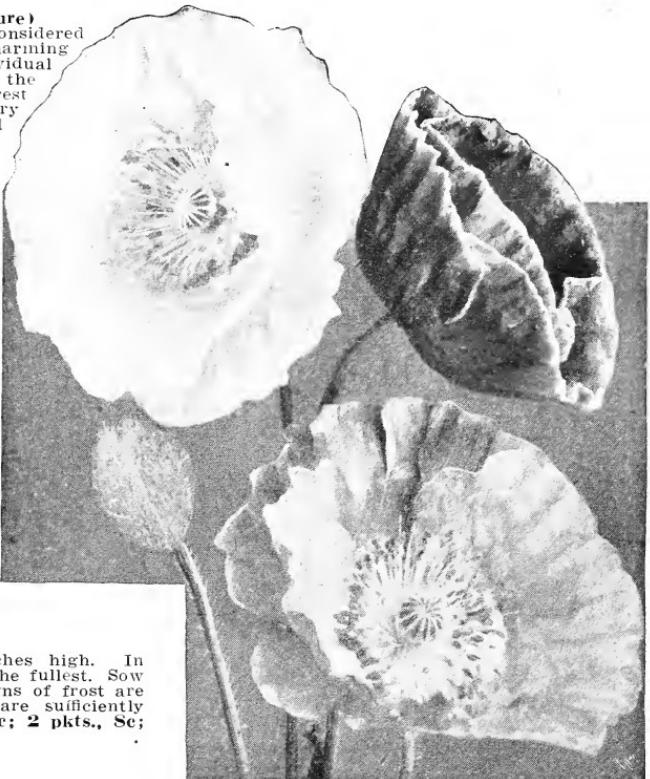
### Cosmidium Burridgeanum

**V**ERY handsome new annual, forming elegant, many-branched bushes of 1 1/2 to 2 feet in height. The flower heads, 1 1/2 to 1 3/4 inches in diameter, are carried on long, slender, but self-supporting stems, well above the graceful, linear foliage. Ray florets golden yellow with a broad conspicuous circle of a rich orange around the disc. Plants produce a constant succession of bloom. Price, pkt., Sc; 2 pkts., 12c.

# SHIRLEY OR GHOST POPPIES

**1135 (Galloway's Beauty Mixture)**

THIS strain particularly is considered by many as the most charming in cultivation. The individual flowers are large and elegant, the exquisite colors range from purest white to deep blood-red, in every conceivable combination and markings. Plants grow from 18 to 24 inches high; are well-branched, and produce immense quantities of flowers right through the summer. Many of them measure as high as 4 inches across. Put in a bed of our Beauty Ghost or Shirley Poppies, and border them with Sweet Alyssum. The effect will be pleasing in the extreme, and bound to please the most critical lover of the artistic in flowers. Sow out of doors where they are intended to bloom, as soon as the weather permits. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 25 cents.



## Eschscholtzia Californica

**1134 (California Poppy)**

HOWY and comes into bloom soon after its appearance above ground. It stands considerable cold and blooms after the first frosts. Very attractive as an edging because of its interesting and bluish foliage. The plants grow bushy and about 12 inches high. In sunshine the petals open up to the fullest. Sow in the open ground when all signs of frost are past. Thin out when plants are sufficiently large to handle. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 20c.

## Pentstemon

**1168**

BILLIANT flowers, somewhat like Foxglove, mostly with white throats; continual bloomers; makes a fine border flower. Average height, 2 to 3 feet. Sow seeds in a pan of light soil in the early spring and transplant about May or June. They keep a long time in water when cut. Price, pkt., 5c; 2 pkts., 8c; oz., 30c.



**Painted Tongue**

## (Beard's Tongue)

**1172**

BEAUTIFUL bedding plant with Orchid-like flowers, greatly used for cut bloom; will remain fresh a long time after being cut. Produces an abundance of fascinating blooms, and throughout the entire summer and fall; strong: of erect growth, bearing flowers of the finest markings. Our mixture contains only the very best and largest flowering varieties. Sow seed early in the spring in a hotbed or window box, and transplant when weather is settled; or sow seed out of doors after danger of frost. Price, pkt., 5c; 2 pkts., 8c; oz., 50c.

## Painted Tongue Salpiglossis Mixed)

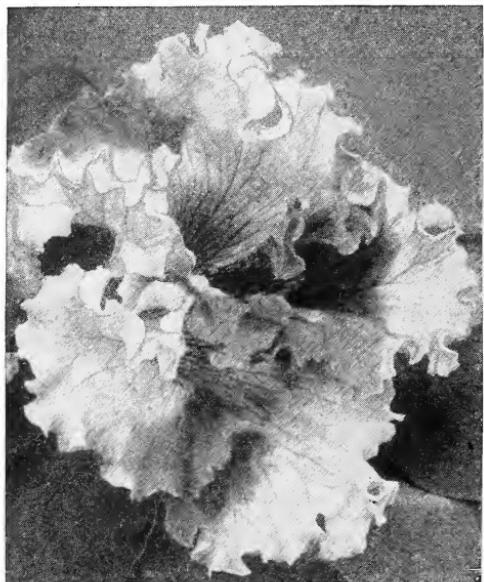
**1269**

LARGE, full, double, daisy like flower heads with prominent centers and stiff overlapping scales. Produced in various shades of bright yellow and scarlet on stems of good length. Desirable as dried specimens and for use in making winter bouquets. For this purpose, the flowers should be gathered when on the point of expanding. Sow early in the spring; thin to 1 foot apart each way. Hardy annual; 2 to 2 1/2 feet high. Price, pkt., 5c; 2 pkts., 8c.

## Everlasting Flowers

**1269 (Helichrysum Monstrosum Mixed)**

# Petunias and Rainbow Corn



Petunia Model

## Bedding Petunias

### In Separate Colors

**C**OMPACT, bushy little plants, seldom more than 8 inches high. They are desirable for culture in pots and window boxes; also for garden beds, borders and edgings. The flowers, while not large, remain boldly expanded, and in their profusion frequently hide the plants for months.

### 1202—

Dwarf Inimitable. Cherry red with white star, pkt., 5c.

### 1203—

Blotched and striped, pkt., 5 cents.

### 1204—

Pure white, pkt., 5c.

### 1205—Snowball.

White, pkt., 5c.

### 1207 — Rosy Morn,

pkt., 5c.

### 1208 — Howard's

Star. Crimson maroon with a clearly defined five-point star in center of flower. Fine for baskets, vases, etc., pkt., 10 cents.

### 1204—The above complete collection of 6 pkts. for 30 cents.

## Petunia

### 1200 Model Mixed

**W**E have taken great pains to secure a stock of this universally popular and loved flower to insure our thousands of customers getting the finest and best that is grown anywhere. Our Model Mixture is unequalled for size and bloom and great diversity of color. The flowers are beautifully striped and blotched with a good blend of the delightfully fringed varieties. It also includes all the best colors of the large flowering section: blue, red, scarlet, white, crimson, violet, etc. Height, 18 inches. Price, pkt., 5c; 2 pkts., 8c;  $\frac{1}{4}$  oz., 25c.

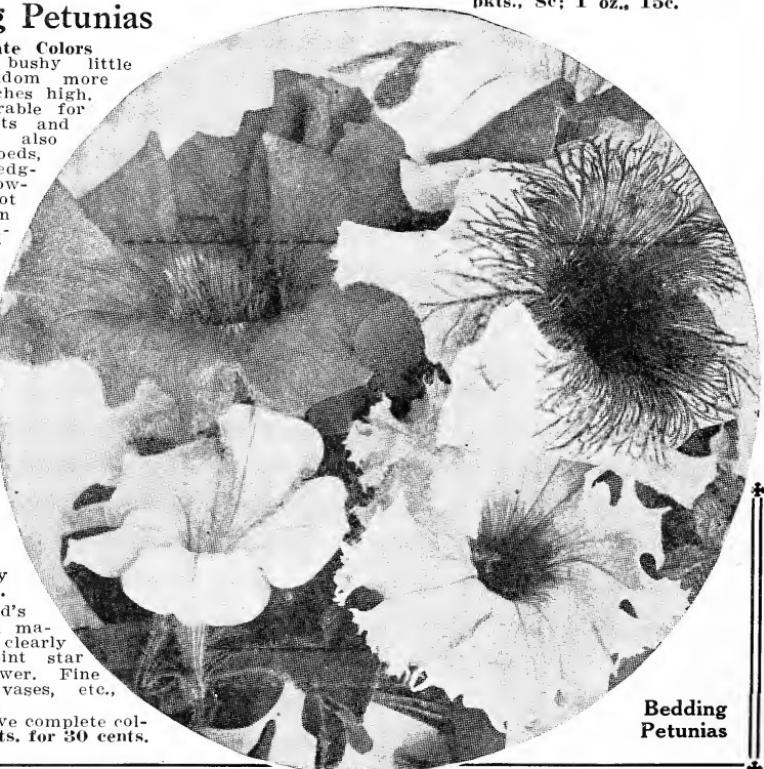
## Rainbow Corn

**A**S an ornamental foliage plan, this is not only highly effective, but very interesting. It grows about 5 feet high, quite bushy; the wonderfully variegated leaves being striped with bright green, silvery-white, rosy-purple, and sulphur-yellow. It makes a very pretty dividing line between the vegetable and flower garden, or it may be used in the mixed border. Price, pkt., 8c; 2 pkts., 12 cents.

## Joseph's Coat

### 1018 Amaranthus Tricolor

**L**EAVES red, yellow and green; a very handsome and showy plant; three feet high. Price, pkt., 5c; 2 pkts., 8c; 1 oz., 15c.



Bedding Petunias

# Stocks and Other Bedding Plants

## Castor Oil Plant

**1053 Ricinus Mixed**

A WELL known ornamental plant of stately growth and picturesque foliage, extensively used around lawns and shrubberies to give a subtropical effect; make delightful center plants for beds. Just try a bed planted in the following way: Center of bed 2 or 3 Castor Oil plants, surround these with Salvia (Scarlet Sage), and as an outside border, use White Rocket Candytuft. The varied foliage of the Castor Oil plants, the brilliant scarlet of the Sage, and the snow-white border of Candytuft, will make a magnificent display very hard to beat.

Our mixture is a delightful blend of all the best named varieties and includes all the following shades and colors: Bright Green, Deep Red, Bronze, Green and White, Carmine and Pink; a truly magnificent mixture, worthy of a place in every garden. As a pot plant for veranda decoration they are fine; they hold their own with the best of Palms, Dracaenas, etc. Put one plant in a 12-inch pot or tub. Two or three standing about the veranda or porch will add dignity to any home. Price, pkt., 5c; 2 pkts., Sc; 1 oz., 15c.

## Clarkia

**1034 Mixed**  
RIGHT and attractive annuals of easy culture. The long, graceful sprays are valuable for table decorations. They thrive in sun or shade, growing 2 to 2½ feet



Castor Oil Plant (*Ricinus*)

high, with masses of double flowers, which all open in water when cut. All colors mixed. Price, pkt., 5c; 2 pkts., Sc; 1 oz., 25c.

## Job's Tears

**1632 Coix Lachryma**

A N ornamental grass with broad leaves and shiny, pearl-like seeds, used for beads. Plant early in the spring, four or five seeds in a hill, one-half inch deep. Grows three feet high. Price, pkt., 5c; 2 pkts., Sc; 1 oz., 15c.

## Ten Weeks' Stocks (Double)

**1232 Giant Flowering Mixed**

T HIS stock is one of the most popular annuals, either for bedding or pot culture. For brilliancy and diversity of color, fragrance, profusion and duration of bloom, it is unsurpassed. Start the seeds in February or March; and as soon as the plants have their second pair of leaves, set out into shallow boxes; and in about four weeks the plants will be ready to pot; from which they should be transferred to the open ground in May or June. Price, pkt., 5c; 2 pkts., Sc; ¼ oz., 50c.

## Tobacco Plant

**1132—*Nicotiana Affinis***

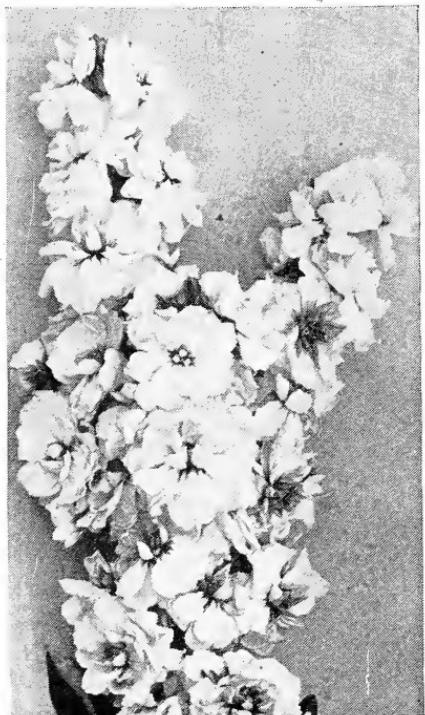
A GEM for bedding. Most showy and profuse bloomer, giving a continuous display of waxy white flowers right through the summer and autumn. They commence to bloom a few weeks from sowing. The plants are of branching, bushy habit, 2 to 3 feet high; carry their flowers in clusters. One single plant will bear thousands of blooms during the season. The effect in the garden is simply wonderful. Delightfully sweet-scented. Sow seed in boxes or pans in the early spring, and protect from frost and cold winds. Plant out as soon as all danger of frost is over. Price, pkt., 5c; 2 pkts., Sc; ¼ oz., 20c.

## Sweet William

**Dianthus Barbatus**

A BEAUTIFUL free-blooming hardy perennial, producing a splendid effect in beds and borders; has rich and varied flowers.

1234—Single White .....	pkt. 5c
1235—Single Crimson .....	pkt. 5c
1236—Single Scarlet .....	pkt. 5c
1237—Single Velycety Black Maroon .....	pkt. 5c
1238—Single Red with White Eye .....	pkt. 5c
1240—Single Mixed, all colors .....	pkt. 5c; oz., 40c



Ten Weeks' Stock

# Phlox Drummondii Grandiflora

1210—(Mixed)

**T**HERE never was a time when this immensely pretty flower was more popular than it is today, and there's a reason. A few years ago the colors were restricted to about six shades, but today there seems to be no limit to them. We don't think there is a single known shade or color missing in our Grandiflora mixture. A bed of Phlox in itself is a delightful sight, a perfect mass of bewildering color; from seed sown in the spring, they soon become a perfect sheet of bloom. They produce masses of bloom from ground to summit. They are easily grown, succeeding in any sunny situation, beginning to bloom, in the early summer, and continuing right through until the close of fall. If you want a delightfully bright and interesting garden, be sure you don't forget this lovely flower. Height, 8 to 10 inches. Price, pkt., 5c; 2 pkts., 8c; oz., 25c.

## Phlox Drummondii Grandiflora

(In separate colors)

**T**HE flowers in this section have round petals and larger flowers than the old sorts. These varieties we have found to come quite true from seed.

- 1211—White. Soft Pure White.....pkt. 10c
- 1212—Brilliant. Deep pink, shading lighter at the edge of petals .....pkt. 10c
- 1213—Light Rose. A soft, pretty shade.....pkt. 10c
- 1214—Carmine with white center. A brilliant shade of rose .....pkt. 10c
- 1215—Splendens. A soft shade of scarlet, between scarlet and carmine .....pkt. 10c
- 1216—Splendens with white center. The large white center gives a striking effect.....pkt. 10c
- 1217—Light Yellow. Pale primrose yellow.....pkt. 10c
- 1218—Scarlet. A brilliant velvety color.....pkt. 10c
- 1219—Dark Red. A deep velvety blood red; rich.....pkt. 10c
- 1220—Dark Red with white center. Rich and striking .....pkt. 10c
- 1221—Any six of the above colors for.....50c



## Verbenas

1242 (Giant Mixed)

**A**NOTHER flower that has been improved almost out of recognition. Whereas, only a few years ago, the flowers were woefully small and their color limited to but a few shades; today, it is a handsome plant with a range of color that is almost bewildering. Few plants are better liked and give more satisfaction. They are strong, healthy and vigorous; bloom freely right through the summer and fall. For garden beds and massing, these Verbenas are unrivaled. A bed of Verbenas with a border of White Candytuft or Sweet Alyssum makes a gorgeous display. To insure early bloom, it is best to sow Verbenas about March or April in boxes or pans in a cold frame, or where they will be protected from frost; and transplant to the open ground early in May, or when all signs of frost are past. Price, pkt., 5c; 2 pkts., 8c; oz., 85c.

# Pansies of Every Kind for Every Purpose

## Giant Butterfly Mixed

**1178** (The Largest Flowering Pansies in the World)

EVERYBODY, young and old, loves the Pansy; and we are sure our Giant Butterfly Mixture will compel an even greater appreciation of this lovely flower than ever. It is a superb mixture of all the largest and best types in every known class. Will produce enormous blooms in all the richest colorings and markings. It is the best of all the American and Continental strains, and secured by us only at great expense. They are variously colored in all the richest shades, markings and lacings, many of them being beautifully crimped, a very curious combination of coloring that cannot fail to elicit astonishment by all who see them. The mixture from which growers often discover new and beautiful strains. A grand class from which to select exhibition blooms. Price, pkt., 10c; 2 pkts., 15c; oz., \$2.00.



## Bedding Pansies

### (In separate colors)

- THE following selection of Giant Pansies is excellent for bedding purposes; they are also very effective as border plants.
- + **1188**—Faust (King of the Blacks). Almost black .....pkt. 10c
  - 1189**—Cardinal. Nearest approach to a bright red .....pkt. 10c
  - 1191**—Lord Beaconsfield. Deep purple-violet, shading to white on upper petals; very effective .....pkt. 10c
  - 1192**—Chocolate colored. Rich and velvety .....pkt. 10c
  - 1179**—Peacock. Upper petals ultramarine blue; lower, deep claret with white margins .....pkt. 10c
  - 1180**—Psyche. Five velvety violet blotches, relieved by a broad margin of white; petals beautifully ruffled. ....pkt. 10c
  - 1181**—Snowy Queen (*Candidissima*). Satiny white .....pkt. 10c
  - 1182**—White, with dark eye. ....pkt. 10c
  - 1183**—Golden Yellow, with dark eye .....pkt. 10c
  - 1184**—Canary Yellow. Pure yellow without eye .....pkt. 10c

## Pansies

### (Giant Masterpiece Mixed)

THE highest perfect in the Giant Five-spotted Pansies, and for this reason it is named "Masterpiece." Strongest habit and healthiest appearance. The enormous flowers are borne on strong stems. A distinct mark is, that the petals of the flowers are waved or curled, so that this strain possesses greatest substance. The flowers are perfectly round and contain the richest combination of colors. Each petal is distinctly marked with a very large dark blotch and most of the flowers are margined with a light, white or yellow edge. Price, pkt., 10c; 2 pkts., 15c.

## Pansies

**CULTURE**—The Pansy will succeed in any soil that is not too high or dry. In the early spring, the seed should be sown in boxes and, when the plants are large enough, planted out in the garden. Plant not less than 6 inches apart. There should be no check in their progress, either by cold winds, very hard frost or long drought; nor should they be watered with very cold water during the hottest weather.

# Salvias or Scarlet Sage

## 1230 (Scarlet Sage)

A BED or border of Scarlet Sage always compels attention. The large waving masses of scarlet bloom against green surroundings of lawn or foliage is matchless. Salvias can be grown in almost any position with fine effect; in the flower bed, along the walk or in borders. They also add to the attractiveness of a shrubbery if planted in clumps in the vacant spaces, the varied shades of green and the dazzling scarlet have a most pleasing effect. We offer only the large flowered variety, which produces flowers twice the size and twice as numerous, as the old variety; height of plants three feet, with flowering stems from base to tip of plant. They make fine pot plants.

To insure early bloom, it is best to sow Salvia about March or April in boxes or pans in a cold frame or where they will be protected from frost; and transplant them where they are intended to bloom, early in May, or when all danger of frost is past. Price, pkt., 5c; pkts., 8c; oz.. \$2.00.

## Kochia Scoparia (Burning Bush)



## 1079 (Trichophylla)

K OCHIA SCOPARIA or Mock Cypress, is one of those old-time plants that fell out of general cultivation for many years. An improved type has now been evolved, which makes a pretty plant, with a habit much resembling one of the compact evergreen shrubs. The seed should be sown in the spring under glass, and the seedlings potted off singly, to be ultimately bedded out or plunged in the pots in which they are growing. The plants should be pinched back and trimmed to shape when necessary. Height, about 2 feet. Price, pkt., 5e; 2 pkts., Se: 1 oz.. 75c.

# Love-In-a-Mist—Calabash Gourds

## African Pipe Calabash Gourd

### Something New

**T**HE increasing popularity of the Calabash Pipe, made from the fruits of a South African Calabash Gourd, has aroused a widespread interest in the growing of the vine, especially now that it has become known that the plant will thrive in all parts of the United States. The pipes are the lightest in the world for their size, graceful in shape, color like meerschaum, and provide a cool smoke. But at present they are almost prohibitive because the American dealers, although importing the gourds at prices ranging from 50c to \$2.00 per dozen, sell them in made-up pipes at prices ranging from \$1.50 to \$10.00 each. Anybody can grow their own gourds and make handsome pipes. Almost every smoker will buy one or two pipes at prices ranging from 50c to \$1.00 each. Rubber mouthpieces, nickel-plated ferrule, and plaster of paris bowl will cost about 20c for each pipe. The mouthpiece and ferrule can be purchased at any cigar store, and the plaster of paris can be purchased at all drug stores. If not making pipes for the market, the growing of a few plants as a means of providing pipes for the grower's private use and for his neighbors will prove interesting.

The vine may be grown almost anywhere, and forms a very satisfactory cover for unsightly brush heaps or back fences; although the rank odor might prove objectionable if used on an arbor too near the house. To grow the vine for the sake of the gourd is the chief interest, and to do this well, it should not be trained on a trellis, but should be allowed to trail over the ground. Price, pkt., 10c; 2 pkts., 15c (postpaid).

## Love in a Mist

### (Nigella)

**A** COMPACT, free-flowering plant, with very finely cut foliage. The plants grow to oval bush from 15 to 18 inches high. A very curious and interesting plant. In the finely cut fern-like foliage nestle hundreds of lovely, bright blue double flowers, 1½ inches across, a distinct and pretty novelty that is bound to interest and please all who grow it. Sow in the open ground in May. Price, pkt., 5c; 2 pkts., Sc; 1 oz., 20 cents.

## Wallflowers

### (Finest Mixture)

**T**Hese beautiful flowers are great favorites with the European gardeners. They are not grown much in this country as they deserve to be. They are perennials and make nice bushy plants 1½ feet high, bearing in the spring long spikes of fragrant flowers of many colors. They are excellent for cutting. Price, pkt., 5c; 2 pkts., Sc; oz., 25c.

January 26, 1917.

I have been planting your garden seeds for three years, and have never found anything better; they always grow and are true to name.

Mr. J. W. Todd,  
Dunlap, Calif.

## Salvia Zurich

### 1293

### (Flowering Sage)

**A** SPLENDID dwarf variety growing about 2 feet high, and is especially valuable on account of being the earliest to bloom, flowering ten days in advance of any other sort. It is among the most brilliantly colored of garden flowers, and extremely useful for bedding; also valuable for pot culture and cutting. Blooms are borne in long spikes well above the foliage, and are of fiery red, continuing in bloom a long time. The densely filled flower spikes are often 8 to 10 inches long, and include 30 or more tube-like florets, 1 to 2 inches in length. Seed can be sown out of doors after danger of frost is past. Tender perennial, but blooms the first season. Price, pkt., 10c; 2 pkts., 18c.

## Horn of Plenty

### 1661

### (Datura Cornucopia)

**V**ERY attractive, bushy plants of easy growth that, during the whole season, are covered with elegant, fragrant, trumpet-shaped flowers. Hardy annual. Height, 3 feet.

A magnificent variety. The blooms average 8 inches long by 5 inches across; the color is white inside, while the outside is most beautifully marbled with royal purple. Price, pkt., 5c; 2 pkts., Sc; 1 oz., 30c.

## Zinnia

### 1246 (Mammoth Double Mixed)

**T**HIS mixture of Zinnias cannot be beaten either for the quality of the flowers or the range in colors. It contains every type of Zinnia known, including the beautiful curled and crested varieties. The colors include white, crimson, violet, purple, orange, scarlet, yellow, lilac, rose, sulphur and pink. The plants grow 2 to 3 feet high, producing their handsome double flowers on long stems. Few flowers give greater satisfaction to their raiser than the beautiful double Zinnias. Price, pkt., 5c; 2 pkts., Sc; oz., 40c.



Love in a Mist

## Giant Flowering Sweet Peas In Mixed or Separate Colors

**S**ELECTED from the best named varieties outside the Orchid Flowering type. As many of our customers like to sow Sweet Peas in separate colors we offer your choice of the following shades put up in separate packets, and we guarantee them to have perfect bloom and length of stem.

1156—Pure White

1156A—Pure Pink

1156B—Pure Primrose

1156C—Pure Blue

1156D—Pure Crimson

1156E—Pure Ma-

1156I—Pure Striped

1156J—Pure Lavender

1156K—Pure Orange

1156L—Pure Blush

1156M—Pure Pink and White

1156N—Pure Scarlet

**P**rice per pkt. (state color or give number wanted) . . . . . 5c; 1 oz., 15c

1156G—Collection of 12 pkts.

(separate colors) . . . . . 50c

1156H—All above colors in mixture (12 shades), pkt., 5c; 1 oz., 10c, postpaid.

## Zinnia

### 1246 (Mammoth Double Mixed)

**T**HIS mixture of Zinnias cannot be beaten either for the quality of the flowers or the range in colors. It contains every type of Zinnia known, including the beautiful curled and crested varieties. The colors include white, crimson, violet, purple, orange, scarlet, yellow, lilac, rose, sulphur and pink. The plants grow 2 to 3 feet high, producing their handsome double flowers on long stems. Few flowers give greater satisfaction to their raiser than the beautiful double Zinnias. Price, pkt., 5c; oz., 40c.

January 1, 1917.

I used your seed in 1915 with good results in Illinois, so I wish to give them a trial in this state.

Mrs. May Bennett,  
Route 1, Horn  
Beak, Tenn.

## Galloway's Masterpiece Sweet Pea Mixture

1287

**C**ONTRACTING with growers for large quantities at special prices enables us to offer Sweet Peas to our customers at prices never heard of before, considering quality. This Masterpiece mixture consists of the latest and best types, such as Spencers, Unwins, Eckfords, Grandiflora, etc.—nearly every known shade and color being found in this splendid assortment. 500 seeds sufficient for row 40 ft. long. Price large pkt. (500 seeds) 10c;  $\frac{1}{4}$  lb., 30c;  $\frac{1}{2}$  lb., \$1.00, postpaid.

## Nitragin

Nitragin is the secret of big bloom. If you are a lover of Sweet Peas, don't fail to secure a small can of Garden Size "Sweet Pea Nitragin." Sweet Peas is a Legume the same as Garden or Field peas. The best results can be obtained by using Nitragin. We would not think of planting sweet peas without inoculation with Nitragin. We use Nitragin on sweet peas both in the greenhouse or open field.



A Galloway  
Double  
Zinnia

Dec. 27th, 1916.  
The seed I ordered from you last spring was very satisfactory, and I want your 1917 Garden Guide.  
Miss Ethel Brogdon,  
Buford, Georgia.

# No Garden Complete without Sweet Peas

Unequalled by any Flower for Range of Color and Fragrance

**W**E have selected from the hundreds of varieties of Sweet Peas only those that we know will give the largest measure of satisfaction to our customers. Where ordinary varieties have not proved satisfactory we especially recommend our early flowering Spencers.

If you are not a particular grower and only want Sweet Peas for cutting, not caring for the solid colors, we recommend our Giant Orchid Flowering Mixture, or Giant Flowering Mixture, and our Masterpiece Mixture consisting of all the latest and best types of Spencers, Unwins, Eckfords, Grandiflora, etc., every known shade and color being found in this splendid assortment. Only large flowering, long stemmed varieties are included in our mixtures.

## Spencer Varieties

		Price Postpaid Pkt. Oz.
<b>1146</b>	<b>Sterling Stent ★</b>	

A beautifully waved shrimp pink, most advanced Spencer type, very rich bright color..... **10c 45c**

		Price Postpaid Pkt. Oz.
<b>1159</b>	<b>Dobbie's Cream ★</b>	

(See Page 69)

One of the best primrose Spencers yet produced. Strong growing, profuse blooming. Large, waved flowers, often duplexed, with many four-blossomed sprays. **10c 35c**

		Price Postpaid Pkt. Oz.
<b>1165</b>	<b>Thomas Stevenson ★</b>	

Brilliant orange scarlet, large Spencer form, the standard showing more orange than the wings; vigorous vines, very floriferous; the intense coloring is heightened by beautiful shading..... **10c 45c**

		Price Postpaid Pkt. Oz.
<b>1151</b>	<b>John Ingman ★</b>	

The same form and almost as large as Countess Spencer. Often bears four flowers to a spray. Color, carmine, rose color in the standard and bright rose in the wings; represents the deepest color in orchid flowering reds..... **10c 40c**

		Price Postpaid Pkt. Oz.
<b>1147</b>	<b>Florence Nightingale</b>	

Charmingly soft, yet rich lavender, enlivened by a very faint sheen of rose-pink. Wings large, well spread, frilled and waved. Plants flower profusely, the stout stems attaining a length of 12 to 16 in. .... **5c 30c**

		Price Postpaid Pkt. Oz.
<b>1161</b>	<b>King White ★</b>	

The finest pure white Sweet Pea ever offered. Vines extremely strong, flowers the largest of the finest frilled type, while the color is of the purest white, and eclipses all other white Sweet Peas..... **10c 40c**

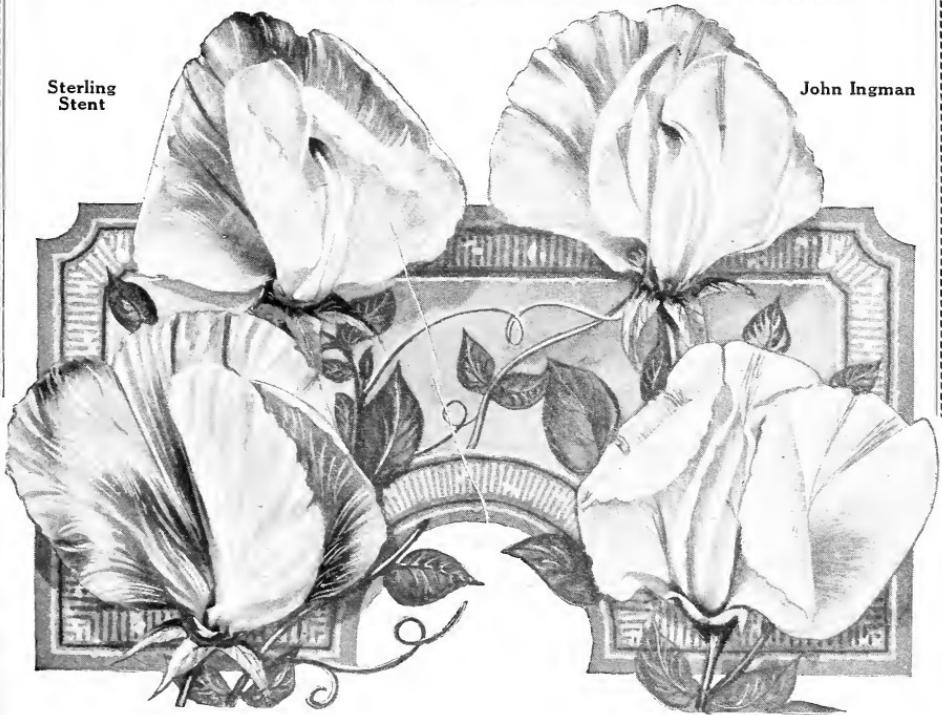
		Price Postpaid Pkt. Oz.
<b>1142</b>	<b>Othello</b>	

Deep velvety maroon. By far the finest of the dark-colored Spencers. Very large size, beautifully waved form..... **5c 30c**

		Price Postpaid Pkt. Oz.
<b>1167</b>	<b>Wedgewood</b>	

Usually produces four flowers to a stem of a unique shade of Wedgewood blue, and in form equal to the finest Spencer..... **15c 50c**

Sterling Stent



Thomas Stevenson

## Plant Many Varieties for Gorgeous Colorings Another Page of Spencers for Sweet Pea Lovers

**N**OTHING provides a quicker, more pleasing background than a row of Sweet Peas. They can be made to screen unsightly places, to divide the lawn from the vegetable garden and can be planted along division lines and will beautify properties on both sides. Plant more of them this year.

### 1140 Countess White ★ Price pkt. oz.

One of the finest and most magnificent White Sweet Peas ever introduced. The vines are almost completely covered with mammoth flowers. The flowers are borne 3 to 4 on a stem and are of splendid substance. It is without a rival among White Sweet Peas. 5c 35c

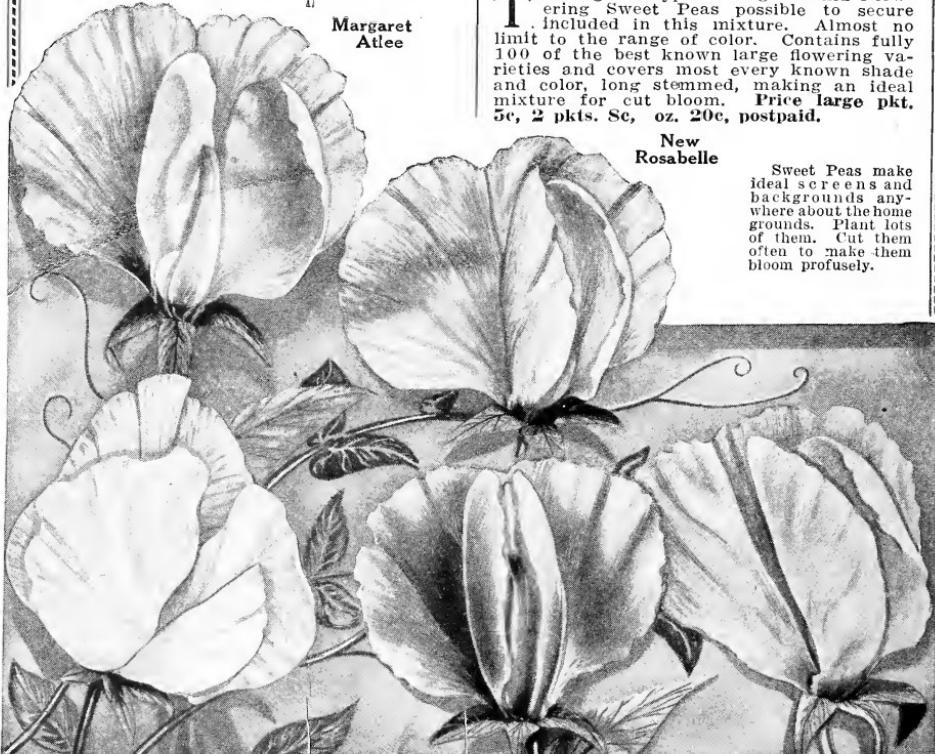
### 1141 Countess

Of perfect form, remarkable size and exquisite color. The flowers are often 1 1/2 to 2 in. in diameter, with both standard and wings charmingly waved and fluted. The coloring is an exquisite soft rose pink, daintily tinted with silvery white ..... 5c 35c

### 1162 Margaret Atlee ★

A particularly fine variety of the duplex type; flowers of extraordinary size. The color is an exquisite shade of salmon pink perfectly suffused over a cream ground, the shade of pink being quite different from any yet seen. 10c 45c

Margaret  
Atlee



### 1160 Vermillion Brilliant ★ Price pkt. oz.

This variety is one of the very best scarlet Spencers yet introduced. Flowers of good size, nicely waved. Color almost true scarlet with a slight tinge of orange ..... 10c 35c

### 1163 Orchid ★

One of the finest of the new sorts; the color is a rich deep lavender throughout, standards and wings slightly suffused pink, the true Cattleya color. Plants very vigorous, flowers of exceptional size and a profuse bloomer ..... 10c 40c

### 1150 Blanche Ferry

This is the very popular old "painted lady" pink and white Sweet Pea in magnificent new form ..... 5c 30c

### 1169 New Rosabelle ★

Undoubtedly most beautiful and largest of the deep rose colored sorts. Flowers very crimped or waved, and of extra large size, its color strikingly brightened by a distinct white blaze at the bottom of standard and wings ..... 10c 30c

### 1157 Giant Orchid Flowering Mixture

THE highest type of large Orchid Flowering Sweet Peas possible to secure included in this mixture. Almost no limit to the range of color. Contains fully 100 of the best known large flowering varieties and covers most every known shade and color, long stemmed, making an ideal mixture for cut bloom. Price large pkt. 5c, 2 pkts. 8c, oz. 20c, postpaid.

#### New Rosabelle

Sweet Peas make ideal screens and backgrounds anywhere about the home grounds. Plant lots of them. Cut them often to make them bloom profusely.

## Include Some of These in Your Order

**D**ON'T overlook our new varieties such as Nubian, Illuminator, Rosabelle, or the splendid offer we make in collections of Spencers at attractive prices. You can order Sweet Peas by number alone. Remember the Star Quality Sweet Peas have been tried and tested.

## Spencer Varieties

### Mrs. Hardcastle Sykes

	Price Postpaid pkt. oz.
<b>1152</b>	Very beautiful pale pink. Should be included in every order. For a delicate blossom plant this sort ..... 10c 40c

### Asta Ohn

This variety produces large flowers with fluted standard and very large waved wings, color a soft lavender suffused with mauve.... 10c 30c

### Mrs. Hugh Dickson

A wonderful flower, fine bloomer, vigorous growing, beautiful pale salmon pink on cream ground.... 10c 30c

### Queen Alexandra

One of the largest and finest brilliant scarlet-self in existence, a bold flower ..... 5c 35c

### Helen Lewis

A superb variety, a gigantic orchid-flowering seedling of Countess Spencer. Orange rose wings roll and fold; the standard is reflexed, and is of an intense rich crimson orange ..... 5c 30c

### Illuminator

Ground color of salmon orange with rich bright cerise-pink. Flowers of excellent texture and size. A beautiful new creation. Don't overlook it if you want a splendid novelty in your garden. 15c 50c

### Nubian ★

A new maroon chocolate colored self of great beauty, large size flower, waved. If you want a wonderful new variety try Nubian. 10c 40c

### Spencer Collections

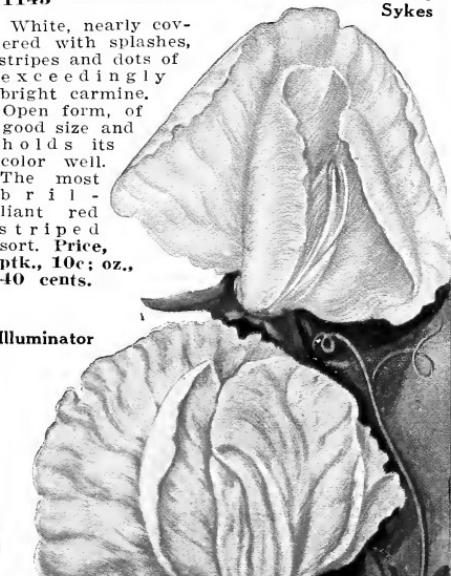
<b>1155A</b>	Your own selection of any seven 5 cent packets.....	25c
<b>1155B</b>	Complete collection of all Spencer varieties, twelve 5 cent packets.....	40c
<b>1155C</b>	Your own selection of any three 10 cent packets.....	25c
<b>1155D</b>	Complete collection of nine 10 cent packets.....	70c
<b>1155D</b>	We will mail the entire list of Spencer Sweet Peas on these pages, including all Star quality (23 pkts.)	\$1.00

### America ★

Mrs.  
Hardcastle  
Sykes

White, nearly covered with splashes, stripes and dots of exceedingly bright carmine. Open form, of good size and holds its color well. The most brilliant red striped sort. Price, pkt., 10c; oz., 40 cents.

Illuminator



Nubian

America

## No Garden Complete Without These

### Poppy Giant Peony Flowered

**1289 Double Mixed.**

POSITIVELY the grandest and most gorgeous mixture of giant flowering Poppies ever offered; ranging in color from pure snow white to deep purple; the easiest of easy flowers to grow. Seed may be scattered on the soil and raked in; the seed germinates rapidly. In two or three weeks, nice sturdy plants will develop. It is well to make several sowings at intervals, to keep up a succession of bloom. If they come up too thickly, the plants should be thinned to stand 3 to 4 inches apart; this will insure best results. For beds or borders, this huge showy Poppy is hard to surpass. **Price, pkt., 10c; oz., 50c.**

### Portulaca Rose Moss

**1174 (Single and Double Mixed.)**

SHOULD be sown in every garden. Scarcely any annual in cultivation makes such a dazzling display of beauty as a bed of highly-colored, many-hued Portulacas. In bloom from July until frost. Plant in dry sandy soil in the garden as soon as it becomes warm. Let the bed have full exposure to the sun, and withhold water after the plants appear. Stands any amount of dry weather. Blooms of double varieties are about  $1\frac{1}{2}$  inches across, of many colors and remain open all day. The plants grow about 6 inches high. **Pkt., 10c; oz., 50c.**

### Galloway's Giant Double Zinnias

**1295**

A SPECIAL strain of this grand old favorite free and continuous flowering annual, which produces flowers of colossal size, specimens measuring 5 to 6 inches across being not unusual. Plants are of extremely robust habit, attaining a height of about 3 feet, and bearing on long, strong stems numerous semi-globular, mostly very double flowers all of the largest size, making them of great value in large beds, borders, etc.; grown under favorable conditions they remain in bloom from early Summer to late Autumn. **Price, per pkt., 8c; 2 pkts., 12c.**

### The Cardinal Climber

THE most beautiful and brilliant annual climber ever sent out. It is a strong and rapid grower, attaining a height of 30 feet or more, with beautiful fern-like, laciniate foliage and literally covered with a blaze of circular fiery cardinal-red flowers from mid-summer till frost. The flowers are about  $1\frac{1}{2}$  inches in diameter, and are borne in clusters of 5 to 7 blooms each. Like other Ipomoeas, it delights in a warm, sunny situation and good soil. The seed may be started indoors in March or

April, but it is best to wait until the weather gets warm and settled, and then sow out of doors. In either case it is well to file or cut through the hard outer shell of the seed or steep in warm water until they begin to swell, which greatly assists in a free and quick germination. If sown in cold, wet ground the seed is liable to rot. **Price, pkt., 15c; 2 pkts. for 25c.**

# A Page of Old Time Favorites

## Bachelor's Buttons

**1014**

Mixed

**T**HIS beautiful flower is loved by all who appreciate an old-fashioned garden. Such a garden would be incomplete without it. The beautiful artistic flowers are borne on long stems, and when cut will stand for a long time in perfect condition. A bed of these, with Marigolds (African and French), Poppies and Zinnias, makes a grand display. Our mixture contains a fine range of color: pure white, lilac, rose-pink, lavender and purple. One packet of our seed is sufficient for a fair-sized bed. Price, large pkt., 5c; 1 oz., 30c.



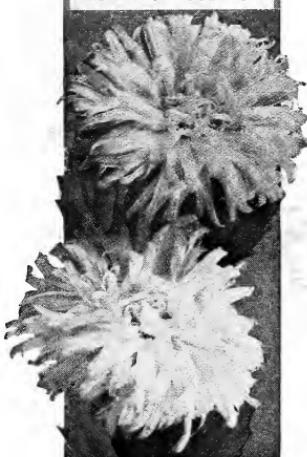
BACHELORS BUTTON

## Asters

### Giant Crego

**T**HE twisted and curled petals give this flower the appearance of a huge flat Chrysanthemum. The flowers are very large, often measuring 5 inches across. The strong erect stems average 20 to 24 inches in length. Though the flowers are large, they are produced in abundance.

<b>1250</b>	White. Pkt.	10c
<b>1251</b>	Shell Pink. Pkt.	10c
<b>1252</b>	Rose Pink. Pkt.	10c
<b>1253</b>	Lavender. Pkt.	10c
<b>1254</b>	Purple. Pkt.	10c
<b>1255</b>	Mixed. Pkt.	10c
<b>1256</b>	Collection of 1 pkt. each of the above.	50c

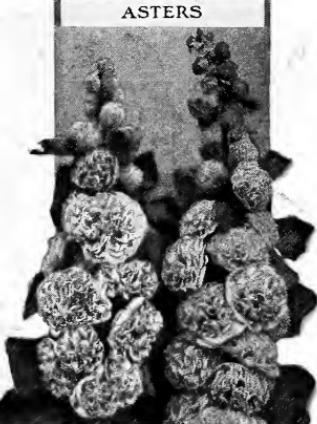


ASTERS

## Hollyhock

**1279** Mammoth Double Mixed

**A**MAGNIFICENT strain of Hollyhocks. The flowers are of the largest size, perfectly double; and grow close together on the stem, forming a mass of the most beautiful flowers, equal to Camellias. These are undoubtedly the finest double Hollyhocks grown. Price, pkt., 10c; 2 pkts., 15c.



## Rainbow Hybrid Sunflower

**1231**

**I**T caused quite a sensation when the first Red Hybrid Sunflowers were introduced, but they were but the first step toward an entirely new race of this beautiful flower. Our wonderful Rainbow Hybrids are the results of bringing together the blood of three distinct types of Hybrids and amalgamating the good points of all. The combinations of colors run from yellow through many shades of yellow and brilliant reds and bronze, and some solid reds. These grow 5 to 8 feet high, branch profusely and each plant bears several dozen beautiful flowers 5 to 8 inches in diameter on long stems. The Rainbow Hybrid will be a valuable addition to the garden. Pkt., 10c; 2 pkts., 15c; oz., \$1.50.

# Hardy Roses for all Locations

NO flower is more popular than the rose. The ideal location for a rose garden is an airy, but sheltered spot, sheltered especially from the chilling winds of winter, but exposed all day, if possible, to the sun. When roses are received, if they seem to be at all dry soak them in water, being careful at all times not to allow the roots to be exposed to the air. Roses root deeply, so the bed should be well prepared. The roses we offer are the best standard varieties, well suited to the home garden. Field grown roses are those that have been propagated in the field and grown from two to three years in the open, and are considered more reliable for outdoor planting.

We offer but few varieties—the best of their class; all are hardy. However, all roses should be fairly well protected during the winter months, especially in the northern states.

## Hybrid Perpetual Roses

**5000 ANNE DE DIESBACH.** Rose color. Buds long, pointed, large; flowers finely formed, compact; double and delightfully fragrant. Price, 2-year old field grown plants, each 45c; 3 for \$1.25.

**5001 BARON DE BONSTETTEN.** Large, deep, full flowers, of a velvety maroon color. Beautiful and highly scented. Price, 2-year-old field grown plants, each 44c; 3 for \$1.20.

**5002 CLIO.** A dainty, fresh rose, shaded in the center with rosy pink. Very large, fine, globular form. Plant is of vigorous growth, heavy producer of blossoms. Price, 2-year-old field grown plants, each 46c; 3 for \$1.30.

**5003 FRAU KARL DRUSCHKI.** Often known as the white American Beauty. Best snow-white rose ever introduced. Strong grower and very hardy. Often passes for a Hybrid Tea Rose. Price, 2-year-old field grown plants, each 50c; 3 for \$1.45.

**5004 GENERAL JACQUEMINOT.** Best known red rose ever produced. Blossoms large, shining crimson, not very full but effective. Price, 2-year-old field grown plants, each 47c; 3 for \$1.35.

**5005 MAGNA CHARTA.** A choice rose of brilliant red color; extra large, full, double, fine form and fragrant. Profuse bloomer. Price, 2-year-old field grown plants, each 48c; 3 for \$1.40.

**5006—MRS. JOHN LAING.** Soft pink, beautifully formed, very fragrant. Flowers borne in great profusion on long stems. Price, 2-year-old field grown plants, each 50c; 3 for \$1.45.

**5007 PAUL NEYRON.** One of the largest roses grown. Blossoms are a bright, shining pink, clear and beautiful. Very double and full. Finely scented. A good bloomer, and will produce flowers the first season. Price, 2-year-old field grown plants, each 49c; 3 for \$1.40.

**5008 ULRICH BRUNNER.** Blossoms are crimson and of immense size. Borne in great profusion and highly fragrant. Bush is vigorous grower. Price, 2-year-old field grown plants, each 48c; 3 for \$1.35.

## Hybrid Tea Roses

**5009 GRUSS EN TEPLITZ.** The sweetest, richest of its class. Fragrant, fiery crimson blossoms, shaded to a velvety scarlet. Blooms throughout the entire growing season. Price, 2-year-old field grown plants, each 60c; 3 for \$1.65.

**5010 KAISERIN AUGUSTA VICTORIA.** A fine creamy white variety. Valuable for outdoor culture. Strong, healthy grower; free bloomer. Large, pointed buds and large blossoms. Price, 2-year-old field grown plants, each 60c; 3 for \$1.65.

## Climbing Roses

**5011 CRIMSON RAMBLER.** Will attain a height of 10 to 20 feet in a season. Flowers borne in clusters. A climber that is extremely effective for trellises and pillars. Blossoms remain perfect for many weeks. Price, 2-year-old plants, 45c each; 3 for \$1.25.

**5012 CLIMBING AMERICAN BEAUTY.** One of the finest of the new climbing roses. Same form and color of blossom as the standard American beauty. Always in bloom. Price, 2-year-old plants, 55c each; 3 for \$1.50.

**5013 DOROTHY PERKINS.** A very popular climbing rose. Clear, shell-pink flowers borne in clusters. Last a long time without fading. Foliage is shining, and not subject to insect attacks. Price, 2-year-old plants, 35c each; 3 for \$1.00.

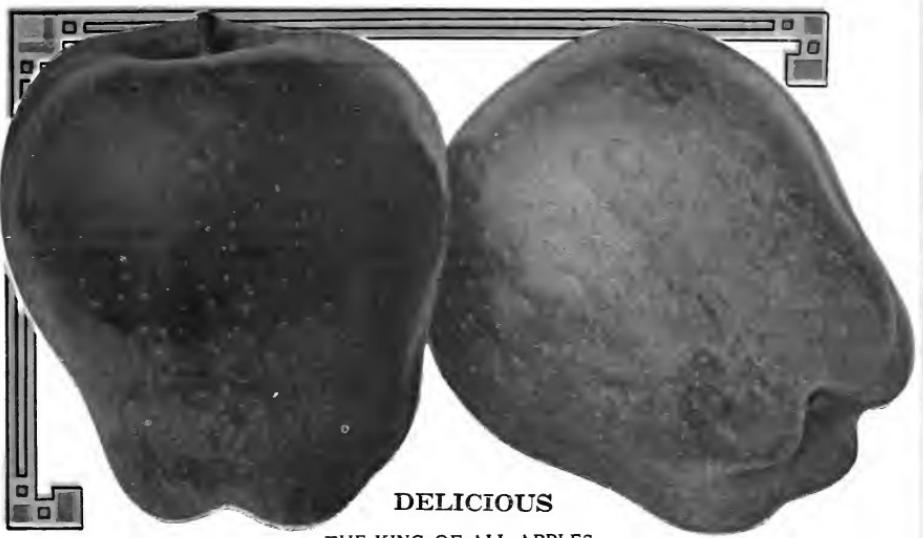
**5014 THOUSAND BEAUTIES.** A strong, vigorous grower. Foliage large and handsome. Blossoms shade from pure white to deep pink, different shades being borne at the same time. From this habit it derives its name. Price, 2-year-old plants, 65c each; 3 for \$1.80.

## Everblooming Ramblers

**5015 EVERBLOOMING PINK BABY RAMBLER.** Similar to the Crimson Baby Rambler, except that the blossoms are a delicate pink. Price, 2-year-old plants, 65c each; 3 for \$1.80.

**5016 EVERBLOOMING MME. NORBERT LAVASSEUR.** A crimson baby rambler. A compact variety which does not exceed 18 inches in height. Price, 2-year-old plants, 75c

**5017 EVERBLOOMING KATHERINE ZEMIT.** White baby rambler. Beautiful white blossoms. Habit similar to crimson baby rambler. Price, 2-year-old plants, 70c each; 3 for \$1.90.



DELICIOUS  
THE KING OF ALL APPLES  
**Apples**

**A**PPLES are the national fruit. Plant an apple orchard! Do it now! The supply of apples today is much lower than the demand. We have found that the Long Scion and Root system is the best method of producing apple trees on THEIR OWN ROOTS. Our apples are grown in this way. Don't forget this factor when you buy your trees. They will not go through a severe winter unless they are on their own roots. We list only such standard varieties as will give satisfaction in all apple sections, those which have been widely tested and are known to be good. Do you want some sort that is especially popular in your locality, more so than those listed? It is not in our collection because it is not so good for other sections. But we have it in our nurseries. Include it in your order.

**APPLES ARE ALL 5 TO 6 FT. FIRST GRADE.**  
**5080 YELLOW TRANSPARENT**, Summer. Of medium size, smooth surface, light yellow; flesh white, juicy and of excellent quality. Good keeper and shipper; abundant bearer, and sells well on all markets. Price each 42c; 10 for \$4.05.

**5081 LIVELAND RASPBERRY**, Summer. Earliest and best summer apple. Color orange-yellow, shaded and striped with red. Fine quality, juicy, subacid. Flesh light yellow. Tree is hardy and a good bearer. Price 43c each; 10 for \$4.00.

**5082 DUCHESS OF OLDENBURG, OR DUCHESS**, Fall. A well-known Russian variety. Absolutely hardy. Yields abundantly in all sections. Tree bears young. Fruit large, rounded, yellow, striped with red. Flesh tender and juicy. Of excellent quality for cooking. Price 44c each or 10 for \$4.15.

**5083 MAIDEN BLUSH**, Fall. Rather smooth, of uniformly good size; pale yellow, beautifully flushed with red on one side. Pleasant acid flavor. Heavy bearer. Price 40c each; 10 for \$3.85.

**5084 WEALTHY**, Fall. Originated in Minnesota, and is noted for its hardiness of tree and fruit bud. Fruit is large and smooth, yellow ground shaded with crimson; flesh white, juicy, tender, subacid. Price 37c each; 10 for \$3.55.

**5085 BALDWIN**, Winter. A fine apple which has gained wide popularity. Grown extensively in the East, where it thrives best. Large, red; flesh yellow and rich. A good market apple; very productive. Price 38c each; 10 for \$3.65.

**5086 BEN DAVIS**, Winter. Of Kentucky origin. A well known and profitable commercial sort. Tree is healthy and a heavy bearer. Fruit large, striped with bright red. Flesh whitish, tender, juicy, subacid. Good keeper. Price 42c each; 10 for \$4.00.

**5087 DELICIOUS**, Winter. Originated in Madison County, Iowa. Has become a general favorite in all apple sections. Fruit large, nearly covered with bright red and crimson. Flesh tender, firm; rich, highly flavored juice. Fine keeper and shipper. Tree perfectly hardy, regular annual bearer. Price 45c each; 10 for \$4.20.

**5088 GRIMES GOLDEN**, Winter. A medium to large yellow apple of highest quality. Crisp, tender and juicy, with pear-like flavor. Good grower and early bearer. A money-maker on all markets. Price 41c each; 10 for \$3.95.

**5089 JONATHAN**, Winter. One of the most popular apples in the West. Of medium size, pale yellow, nearly covered with dark red. Flesh tender and finely flavored, being mild subacid. Generally adaptable. Price 44c each; 10 for \$4.15.

**5090 NORTHWESTERN GREENING**, Winter. Tree healthy, sturdy grower, hardy. Fruit large, smooth, greenish-yellow; flesh yellow, subacid. Heavy bearer. Price 39c each; 10 for \$3.80.

**5091 STAYMAN WINESAP**, Winter. The best and largest of the Winesap family. Dark, rich red, striped with crimson. Flesh tinted with yellow, firm, crisp, juicy, subacid. Tree productive and vigorous grower. Hardy everywhere. Price 40c each; 10 for \$3.85.

**5092 WINTER BANANA**, Winter. Large, smooth, golden yellow, shaded with bright red; subacid flavor; grown everywhere. Tree vigorous, early bearer. Valuable market variety. Price each 42c or 10 for \$4.05.

### Crab Apples

**5093 FLORENCE**. Originated in Minnesota. The very best of the crabs. A hardy, spreading tree; bears young. Fruit carmine in color; flesh yellowish, acid flavor. Fine for cooking. A fine jelly crab. Valuable for market. Price each 40c; 10 for \$3.90.

**5094 HYSLOP**. Tree vigorous and hardy. Fruit crimson on yellow ground. Flesh, fine, firm, yellow, acid. Bears in clusters. Fine for ornamental purposes. Commands fancy market prices. Good for cooking. Price each 37c; 10 for \$3.65.

**5095 WHITNEY**, Number 20. Originated in Illinois. Fruit large, yellow striped with red; almost covered with red on sunny side; flesh yellow, very juicy, fine grained; flavor rich and sweetish. In size and quality equal to many standard apples. Price each 38c; 10 for \$3.75.

## Raspberry, Blackberry and Dewberry Plants

THE many great improvements in the hardy varieties of raspberries make the cultivation of this fruit comparatively easy. After the plants have become well started, they require very little attention. The lighter loams are preferable for the red raspberries, and the heavier loams for the blacks. Raspberries are one of the most popular fruits grown. Fine for canning and make the most wholesome of sauces. Always in demand in season, and command good prices on the market.

### Raspberries

**5100 CUMBERLAND**, Black. The largest of all black caps. Berry is firm, therefore a fine shipper. Profitable for market. A healthy, vigorous grower; perfectly hardy. Price 25 for 74c; 100 for \$2.90.

**5101 ST. REGIS**, Everbearing. A remarkable red berry which will yield fruit the first season. Though not large, the berries are of excellent quality and firm. Fruit ripens early. Plants very hardy. Those who offer are large and strong. Price 25 for 90c; 100 for \$3.50.

**5102 NEW SUNBEAM**, Red. Undoubtedly the best of the red raspberries. Originated in South Dakota, and since its introduction has become a most popular sort. Extensively grown in all raspberry sections. Finest in color, most delicious in flavor and most productive bearer in the country. Plants are very hardy, strong and healthy. A money maker. We offer an exceptionally fine stock of these plants, and would like to see every one of our customers set them out this season. Price 25 for \$1.25; 100 for \$4.75.

**5103 HAYMAKER**, Purple Seedling of Cumberland. Berries similar in size and texture, but slightly more acid, and produced in heavier crops. Finest of the purple sorts. Good shipper and excellent for canning. Plants vigorous and hardy. Price 25 for 85c; 100 for \$3.30.

**5104 BLACK PEARL**. As the name suggests, this is a black cap berry. We recommend this berry because it stands dry weather better than any other black cap. Fruit is large and of finest flavor. Berries are firm, hence a splendid market variety. Plants are exceptionally hardy and the berries will ripen when all others fail. Plant

Black Pearl by all means. It will bring large profits. Price 25 for \$1.15; 100 for \$4.45.

### Blackberries

**5105 BLOWER**. Most productive and highest quality of all blackberries. Fruit is of large size, slightly acid flavor and jet black in color. Ripens early. Fine shipper. A promising new variety. Price 25 for 95c; 100 for \$3.55.

**5106 SNYDER**. The hardest blackberry grown; heavy producer; succeeds wherever planted. Berry of medium size; delicious flavor. Ripens early. Fine for market. Price 25 for 90c; 100 for \$3.20.

**5107 ANCIENT BRITON**. Sturdy grower, healthy, hardy. Berries, large, oblong, coreless, and of fine, sweet flavor. Withstands most severe winter weather. Highly productive. This is the best blackberry we know of for the home garden. Gives absolute satisfaction. 25 for \$1.00; 100 for \$3.65.

### Dewberries

**5108 LUCRETIA**. Sometimes called trailing blackberry. Perfectly hardy and highly productive. Fruit is of highest quality and is very large, sometimes two inches long and an inch in diameter. The variety we offer is considered the best under cultivation. A coarse litter of mulch should be thrown over the plants during the winter, and in the spring they will come up through this, keeping the fruit from the ground. Price 25 for 78c; 100 for \$2.75.

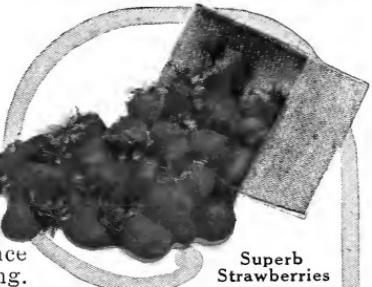
Sunbeam  
Red  
Raspberries



## Strawberries

Please Order  
by Name

**S**TRAWBERRIES can be grown with success in any well-drained garden soil. There is always a good market for strawberries; they rank first among small fruits as they are so well adapted for culinary purposes—table use, canning or preserving. A family garden without strawberries is incomplete. We give but a few varieties—those which experience has proven to be the best; all self pollinating.



Superb  
Strawberries



Senator  
Dunlap

**SENATOR DUNLAP.** Known as Dunlap, also Senator. One of the best-known strawberries. Strong, healthy growers, and easily handled by either expert or beginner. The berries are medium to large in size, of a deep, rich, red color and have excellent qualities. If part of the plants are thinned out, the yield in quality of berries will be greatly improved. It is staminate, and will produce perfect fruit when planted alone. Very early.

**SUPERB, Everbearing.** Another perfect-blooming variety. Very large, deep red and glossy; fine flavor. Begins to bear about June, and continues until late in the fall. Produces an immense crop. The plants are strong and healthy, and stand the winter very well. A sort which is sure to please.

**GIBSON.** A variety which has proven highly satisfactory, therefore in great demand. Fine for home or market. Heavy producer, excellent shipper as flesh is firm. Fruit is extra large, dark, glossy red. A long-rooted variety, making it drought resistant. Foliage dark green and dense, affording protection to the berries from the hot sun. Long bearing season. Staminate.

**PROGRESSIVE, Everbearing.** The very best everbearing variety on the market. Strong, healthy and absolutely hardy. Berries are of highest quality, bright red, and a fine keeper on the vine or in the box. Fruit is medium sized, blossom strongly staminate, and every bloom makes a perfect berry. Gives good crops for over three months in the fall when weather conditions are favorable.

Name of Plant.	By Mail.	Purchaser Pays Express.
	12	50
Senator Dunlap .....	\$0.35	\$0.65
Gibson .....	.30	.60
Progressive (Everbearing) .....	.80	2.00
Superb (Everbearing) .....	.55	1.25
	100	500
	100	1,000
	500	\$ 7.00
	3.00	6.50
	8.00	15.00
	6.50	14.00

A basket of Gibson Strawberries. Every garden should have its own patch. Easy to grow and luscious for the table.

Of all small fruits nothing gives more satisfaction than strawberries. Start a good patch this spring.



Gibson  
Strawberries

# PLUMS—CHERRIES—NUTS

**O**FTEN called "the poor man's tree," because they require so little room to grow and are always prolific bearers. The market demand for high grade plums is almost unlimited.

Our plums are propagated on plum roots, thus producing a hardy tree. In buying plums, always purchase at least two varieties as they help to pollenate each other. For example, buy both Terry and Wild Goose, but more of the former.

Plums do well in almost any light, well drained soil. The trees should be sprayed annually with Bordeaux mixture.

**BURBANK.** Successful in most sections. Very large; color cherry red, mottled yellow; flesh yellow, sweet firm. Fine keeper and shipper. Tree vigorous grower, requires sharp pruning. Price, 5-6 ft., each 49c; 10 for \$4.75.

**COMPASS CHERRY-PLUM.** A new variety. Originated in Minnesota. A cross between Sand cherry and Miner plum. Exceptionally hardy. Heavy bearer. Characteristics of both plum and cherry. Color bright red, becoming deeper at maturity. Excellent for canning and preserving. Price, 5-6 ft., each 60c; 10 for \$5.50.

**SHROPSHIRE DAMSON.** One of the best for preserving and canning. Oblong, dark purple; flesh amber; juicy and rich. Tree hardy and vigorous. Abundant bearer. Price, 5-6 ft., each 47c; 10 for \$4.55.

**TERRY.** Large, purplish red. Flesh firm and of fine flavor. Tree is perfectly hardy, strong grower and heavy bearer. Without question the best of all American plums. Plant Terry extensively and reap large profits. Price, 5-6 ft., each 55c; 10 for \$5.35.

**WILD GOOSE.** A popular sort of medium to large size, Roundish-oblong. Skin shining red; flesh yellow, pulpy, sweet. Should be planted with other trees of abundant pollen. Price, 5-6 ft., each 46c; 10 for \$4.50.

Order by  
Name, Please,  
from This  
Page.



Early  
Richmond  
Cherry

## Cherries

**O**UR cherry trees are propagated on Mahaleb roots. They will not sucker and are perfectly hardy—two points which should be seriously considered when buying cherry trees. Plant cherry trees in large numbers. They are the most profitable small fruit grown. Ideal for "fillers" or planted separately. We list few varieties and but one grade, the best by test.

**EARLY RICHMOND or MAY.** Excellent for cooking. Medium size, dark red, juicy, acid flavor. Tree heavy bearer and absolutely hardy. June. Price, 5-6 ft., each 55c; 10 for \$5.40.

**ENGLISH MORELLO.** Medium to large; dark red, becoming nearly black when matured; flesh purplish red, juicy, sub-acid. Tree productive bearer. August. Price, 5-6 ft., each 54c; 10 for \$5.30.

**LARGE MONTMORENCY.** Best of the Montmorency strain. Fruit is large, dark red, mildly acid. Tree strong grower, hardy, very productive. Late June. Price, 5-6 ft., each 56c; 10 for \$5.45.

**YELLOW GLASS.** The only semi-sweet cherry that is perfectly hardy. Yellow partly overspread with carmine. Juicy. Very large and solid; a fine table sort. Of Siberian origin. Rapid grower; prolific bearer. Medium early. Price, 5-6 ft., each 75c; 10 for \$7.35.

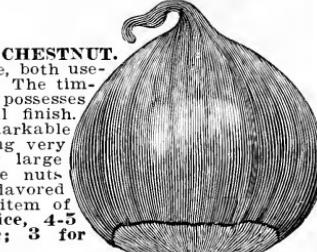
## Nut Trees

### AMERICAN SWEET CHESTNUT.

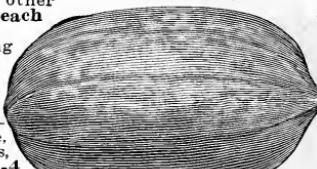
A valuable native tree, both useful and ornamental. The timber is desirable and possesses a fine grain for oil finish. They are a remarkable race of trees, bearing very young, and yielding large crops of nuts. The nuts are deliciously flavored and a valuable item of commerce. Price, 4-5 feet, each 50c; 3 for \$1.45.

**BLACK WALNUT.** This is one of the grandest trees of our native forests. It is a favorite of the landscape gardener. We recommend it for public streets and avenues, because of rapid growth and handsome foliage. The nuts are large, round, covered with a thick husk; the kernel possesses a fine flavor, considered by some to be better than any other walnut. Price, 4-5 ft., each 46c; 3 for \$1.35.

**PECAN.** Pecan growing yields large profits. The trees are long-lived, quite hardy and productive. A species of hickory, which may well rank first among our native nuts. The nuts are large, thin-shelled, full kernels, and of rich flavor. Price, 3-4 ft., each 75c; 3 for \$2.15.



**JAPAN WALNUT.** Its large, spreading top makes an ornamental tree. These trees are hardy, having stood a temperature of twenty-one degrees below zero without injury; they commence to bear at three years of age. The nuts are larger than the common hickory nut and are borne in clusters of from ten to twenty. The shells are moderately thick, but the kernels are very sweet. Price, 3-4 ft., each 45c; 3 for \$1.25.



**WHITE WALNUT or BUTTERNUT.** Abundant crops of fruit, which abound in oil; sweet and rich. An old favorite. The tree is considered valuable as a park tree. Price, 4-5 ft., each 48c; 3 for \$1.40.

**ENGLISH WALNUT.** An ornamental tree that grows well in the Middle States; bears freely. The nut has a very thin shell, about the size of the black walnut, and contains a large kernel which has a delicate flavor. Price, 2-3 ft., each 75c; 3 for \$2.15.

# Peaches

**N**O fruit tree brings in returns more quickly than the peach. It is easy of cultivation and free from disease. Our peaches are propagated on seedlings grown from the pits of hardy, wild mountain-grown seedlings. This produces the hardest peach tree known to the nursery business.

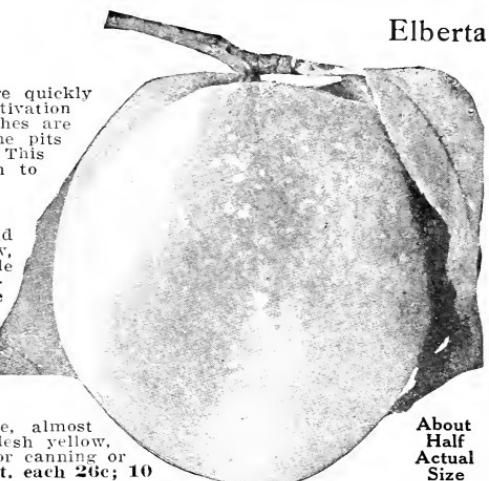
#### Please Order by Name

**ELBERTA, Free.** The best all around peach. Fruit large; skin lemon-yellow, partly covered with crimson. Flesh pale yellow, juicy. Perfectly hardy. Valuable for canning. September. Price 5-6 ft. each 28c; 10 for \$2.45.

**CHAMPION, Free.** Large, cream-white with slight blush. Flesh white, sweet and juicy. Hardy, productive. Good shipper. August. Price 5-6 ft. each 27c; 10 for \$2.40.

**CRAWFORD'S EARLY, Free.** Large, almost round; light yellow with red cheek. Flesh yellow, juicy, sweet. Excellent quality. Good for canning or eating fresh. Late August. Price 5-6 ft. each 26c; 10 for \$2.35.

**J. H. HALE, Free.** An improved Elberta. Larger, of better flavor and richer color. No fuzz. Hardy. Fruit is well colored before it is fully ripe, making it a valuable market sort. Fine for canning. Good keeper and shipper. Late August. Price 5-6 ft. each 35c; 10 for \$3.10.

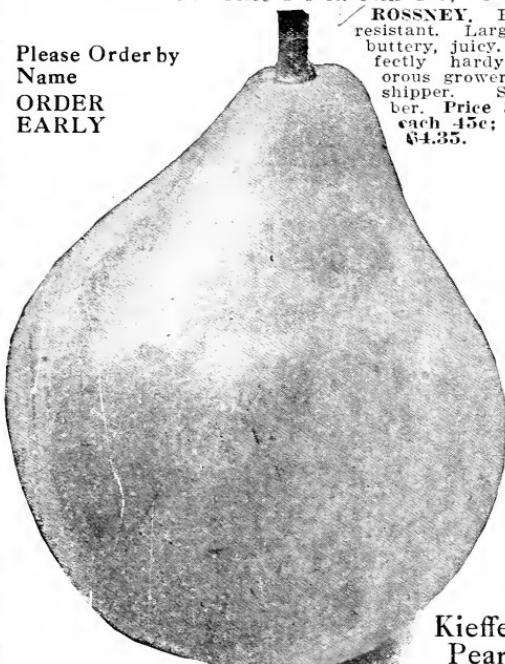


# Pears

**T**HREE is a big demand for choice fruit. Good pears "fill the bill." We list just two sorts—those which have been rigidly tested out and found to be perfectly satisfactory under varying conditions. Our pears are grown on Japan roots, as this root produces a tree which is resistant to blight. Plant pears on your poorest soil—in clay or rocks—any place where there is drainage.

**KIEFFER.** Tree a vigorous grower, early and heavy bearer. Fruit large, golden yellow with light vermillion cheek. Fine for canning or preserving. Free from disease. October and November. Price 5-6 ft. each 42c; 10 for \$4.05.

Please Order by  
Name  
ORDER  
EARLY



Kieffer  
Pear  
 $\frac{3}{4}$ -Size

**ROSSNEY.** Better than Bartlett because it is blight resistant. Large, smooth, regular form; bright yellow; buttery, juicy. Perfectly hardy; vigorous grower. Fine shipper. September. Price 5-6 ft. each 45c; 10 for \$4.35.



Lawrence, Kansas, January 11, 1917.  
Please send me your 1917 catalog. I planted your seeds last year and was well pleased with them.  
Mrs. Lester Pierce, Route No. 4.

# Grapes

**G**RAPES? Of course. Out of a basket from the store, or fresh from the vine in your own yard? You cannot realize the true value of the grape unless you grow it yourself. A grape arbor adds an attractive ornamental feature to any home ground. Then, in the fall you have that luscious fruit. Set out several vines this year. They require very little room and are easily cared for. Just think of grape jelly, grape juice, and the many other grape preparations—from your own vineyard. We list only two-year-old, first quality vines.

**BETA.** An excellent new sort; cross between Concord and white sort. Extremely hardy throughout the North. Berry is small but delicious. Fine for jelly or table use. Our best. We want every customer to try Beta this year. We recommend it unconditionally because we know it will give complete satisfaction wherever grown.

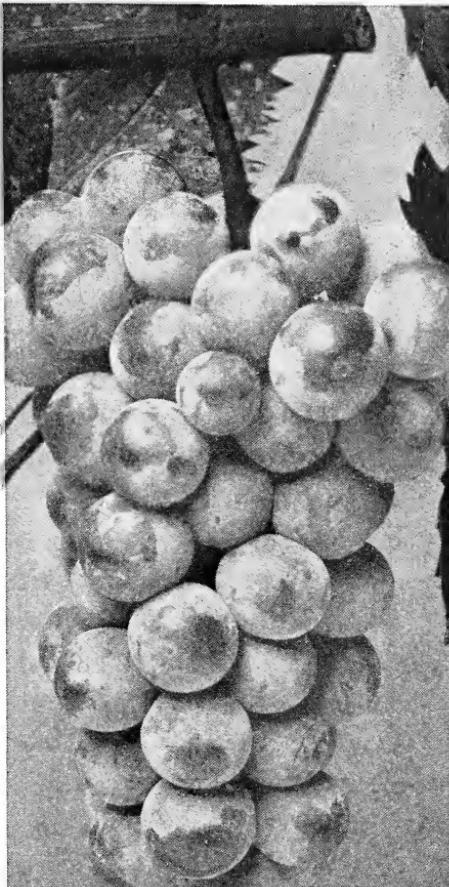
Price, each 24c; 10 for \$2.30.

**CONCORD.** Very early, most popular grape in America: Standard home and market sort. Large size, sweet and juicy; hardy, healthy and productive. Good shipper. Price, each 15c; 3 for 43c.

**DELAWARE.** Best red grape for table use. Bunch and berries comparatively small, but of delicious flavor. A very good market grape. Hardy south of Des Moines. Price, each 19c; 3 for 55c.

**NIAGARA.** The standard white grape. Bunch and berries large; flesh firm and juicy. Vine extremely hardy and productive. Ripens a little earlier than Concord. Superior in every way. Price, each 18c; 3 for 52c.

**WORDEN.** Seedling of Concord. Bunch large and compact; berries large. Flavor sweet. Fine for grape juice or sherbet. Somewhat earlier than Concord. Price, each 16c; 3 for 46c.



Delaware

## These Letters Indicate the Quality of Our Nursery Stock

McConnell, Ill., May, 1916.

Galloway Bros. & Co.,

Received the trees and grape-vines all right. They gave perfect satisfaction.

Homer F. Larow.

Cooperstown, N. Y., Oct. 1, 1917.

The Cardinal bushes I received last spring are growing fine. I have some of Davis' Kidney Wax Beans, Galloway's Extra Select, that eclipse any I ever saw grown in New York State.

William Mallory, Route 4.

# Currants

**S**MALL fruits should have a place in every garden. Currants are the most popular small fruit for jelly. Currants can be successfully cultivated in all sections of the country. With comparatively small expense they yield large returns. We list the very best red and white varieties. We also have a good black sort in our nursery, which we can supply if desired. Black currant, though it is not so well liked as a culinary variety, makes a beautiful and satisfactory hedge plant.

**93 A CHERRY.** Excellent for general planting. Bush a strong grower and heavy producer. Very hardy. Fruit immense, bright red, thin skin, fine flavor. Price, 2-year-old, first class plants, each 15c; 3 for 39c.

**93 B FAY'S PROLIFIC.** A well-known market variety. Deep red. Equal in size to Cherry; less acid in flavor. Highly prolific. Price, 2-year-old, first class plants, each, 14c; 3 for 38c.

**93 C PERFECTION.** Just what its name implies—a perfect currant. Beautiful in color, bright red. Very large berry; long, full bunch. The most productive currant we know of. Superior in quality to any other. Rich, mild, subacid flavor; pulpy; very few seeds. Should go into every home and market planting. Price, 2-year-old, first class plants, each, 25c; 3 for 65c.

**93 D WHITE GRAPE.** The best white currant. Long, full clusters; berries large to very large; flavor mild and spicy. Golden-white in color. Excellent quality. Very good for table use. A most vigorous growing variety. Very productive. Price, 2-year-old, first class plants, each, 15c; 3 for 39c.

## Gooseberries

**G**OOSEBERRIES are just as easy of cultivation as are currants. They are useful for cooking either green or ripe; very good for canning and preserving. Harvesting is a simple matter as the fruit is so firm and skin not easily broken. The bushes thrive best in a slightly moist soil. We offer just two varieties, having cut out all others as we know from experience that those listed are the best. They will give universal satisfaction.

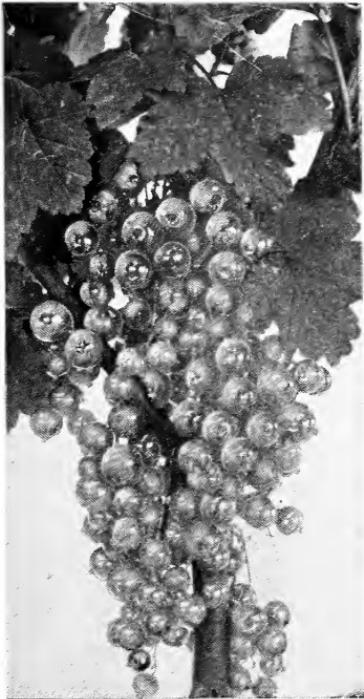
**93 E CHAMPION.** The finest gooseberry on the market. Mild and spicy, becoming sweet, finely flavored and of a beautiful red color when ripe. Excellent for preserving and for pies. Very good for table use. Heavy bearer and easy to pick. Bush is vigorous and free from mildew. Price, 2-year-old, first class plants, each, 22c; 3 for 61c.

**93 F CHAUTAUQUA.** A very large gooseberry; juicy and finely flavored. Fine for cooking. Bush is a sturdy grower. Bears heavy crops. Hardy. Price, 2-year-old, first class plants, each, 32c; 3 for 89c.

Muskogee, Okla., February 9, 1917.

I ordered seed from you last year and must say that they were entirely satisfactory in every way. Will always recommend Galloway's seeds, for they can't fail to please.  
H. H. Love.

Champion Gooseberry





The above picture shows how these grounds looked before they were landscaped and properly set out to shrubbery that was most suitable for this home and grounds. Look at the next photograph.



After this home had been landscaped, and the ground properly set out to the right kind of shrubs, vines, and one or two seasons allowed for the growth of the shrubbery; above is the result.

## The Galloway Plan of Landscaping

**L**ANDSCAPING is the pleasing and beautiful arrangement of shrubs, vines, trees and flowers, so they will provide an artistic setting for the home. If you will tell us of the arrangement of your home grounds, we will be glad to suggest any possible improvements and send free our plan and instructions for planting and arranging. Proper plantings represent a return of from 100 to 300% for each dollar invested in the cost of landscaping.

We also lay out, plan, execute and develop city parks, cemeteries, churches and factory grounds by mail or personally. With the aid of our Landscaping Department any grounds may be made beautiful. Unsightly factory locations or other grounds can be made pleasing to the eye and of more value in dollars and cents by our system of proper planting.

We have hundreds of testimonials, which prove our efficiency in this work.

Those who live on farms are especially invited to get acquainted with our Landscape Service and our book on landscaping. It tells how to convert ordinary home locations in the city and country into spots of beauty, at little expense.

Write us to-day, and we will be glad to give you detailed information and our **Landscape Book**. There is no charge for it. It will be sent free to all who inquire.

### Additional Hardy Vines and Shrubs on Page 101

**2326 A TAMARISK, CASPIAN** (*Tamarix Odessana*)—Silver-green foliage; gracefully drooping branches. Racemes of pink flowers. Late bloomer. Size 2-3 ft. **Price, each 40c.**

**2339 WAYFARING TREE** (*Viburnum Lantana*)—Clusters of white flowers followed by bright red fruits which later turn black. Good in dry, limestone soil. Size 2-3 ft. **Price, each 35c.**

**2349 WEIGELIA EVA RATHKE** (*Diervilla Eva Rathke*)—Flowers are brilliant crimson. Shrub is erect and free bloomer. Size 2-3 ft. **Price, each 40c.**

**2347 WEIGELIA ROSEA** (*Diervilla Florida*)—Of spreading habit. Rose colored flowers. Very hardy. Size, 2-3 ft. **Price, each 39c.**

**2348 WEIGELIA VARIEGATED** (*Diervilla Florida Nana, var. Aurea Variegata*)—Dwarf species. Leaves variegated with white. Flowers nearly white. Size 18-24 inches. **Price, each 42c.**

**2350 WITCH-HAZEL** (*Hamamelis Virginiana*)—Valuable as late bloomer. Yellow flowers appear late in fall. Thrives best in moist locations. Size 2-3 ft. **Price, each 38c.**

**2338 SPIREA THUNBERGII** — Dwarf habit. Small white flowers. Tiny leaves. Branches slender, drooping. Foliage orange-scarlet in fall. Size 18-24 inches. **Price, each 35c.**

**2331 SPIREA VAN HOUTTII**—Sometimes known as Bridalwreath. Very effective when planted as a hedge. Branches drooping, completely covered with pure white flowers. Size 2-3 ft. **Price, each, 36c.**

**2342 SNOWBALL, COMMON** (*Viburnum Opulus, var. Sterile*)—The well-known old fashioned shrub. Snowy white blossoms. Foliage is attractive in the fall. Size 2-3 ft. **Price, each 37c.**

**2344 SNOWBALL, JAPANESE** (*Viburnum var. Plicatum*)—One of the most attractive ornamental shrubs. Abundant foliage. Profusion of pure white flowers in large balls. Good for specimen or border. Size 2-3 ft. **Price, each 39c.**

**2326 SNOWBERRY** (*Symporicarpus Racemosus*)—Small white or pinkish flowers followed by white berries. Foliage retained until late fall. Size 2-3 ft. **Price, each 36c.**



An attractive arrangement of vines, shrubs and flowers

# Ornamentals

No home ground can be attractive without the addition of trees, shrubs or vines. Any desired effect can be had with the proper combinations. Our assortment comprises only such varieties as are good for general planting. Set out ornamentals—trees for lawn shade, shrubs for distinction and beauty and vines for porch shade. Don't forget the hedge. A border planting will convert your grounds into a veritable outdoor living room. We shall be glad to offer suggestions if you are undecided as to what particular varieties will most suit your requirements.

## Hardy Vines

- 2364 CLEMATIS JACKMANII.** Best known of the Clematises. Large, velvety purple flowers, distinctly veined. Price, 2-year-old plants, each 60c.
- 2366 CLEMATIS PANICULATA.** Also known as Japanese Clematis. Very attractive. Heart-shaped leaves; small, white fragrant flowers. Late bloomer. Price, 2-year-old plants, each 36c.
- 2361 BOSTON IVY** (*Ampelopsis Veitchii*). Well-known climber. Grows rapidly. Clings closely to any surface. Glossy green leaves turn to orange-scarlet in fall. Not attacked by disease or insects. Price, 2-year-old plants, each 33c.
- 2367 DUTCHMAN'S PIPE** (*Aristolochia Siphon*). Hardy vine of rapid growth. Large heart-shaped leaves. Brownish flowers resemble a pipe in shape. Forms a dense shade. Price, 2-year-old plants, each 69c.
- 2367 A HONEYSUCKLE, SCARLET TRUMPET** (*Lonicera Semprevirens*, var. *Fuchsoides*). A snowy climber. Strong rapid grower. Bright red, trumpet-shaped flowers. Fine foliage. Price, 2-year-old plants, each 32c.
- 2370 MATRIMONY VINE or BOX THORN** (*Lycium Chinense*). Hardy, ornamental. Attractive in fall when slender branches are covered with coral-red berries. Leaves remain green until after frost. Price, 2-year-old plants, each 26c.
- 2367 B VIRGINIA CREEPER** (*Ampelopsis Quinquefolia*). Native, of rapid growth. Deeply cut leaves turn to fiery crimson in autumn. Price, 2-year-old plants, each 29c.
- 2371 WISTARIA, PURPLE CHINESE** (*Wistaria Sinensis*). Best of its class. Pale green, pinnate leaves. Drooping clusters of purplish, pea-shaped flowers. Profuse bloomer. Price, 2-year-old plants, each 32c.
- 2371 A WOODBINE, ENGELMAN'S** (*Ampelopsis Quinquefolia*, var. *Engelmanii*). An extremely popular type. Hardy everywhere. Similar to Virginia Creeper. Foliage smaller, more dense and clinging. Price, 2-year-old plants, each 31c.

**2323 A MOCK ORANGE, TALL** (*Philadelphus Lemoinei*, var. *Erectus*)—Of less spreading habit than the others. Fragrant flowers. Prolific bloomer. Size 18-24 inches. Price, each 28c.

**2438 OLIVE, RUSSIAN** (*Eleagnus Angustifolia*)—Highly ornamental. Silver green foliage, yellow berries. Tree-like. Fine for hedge. Size 3-4 ft. Price, each 27c.

**2427 A PRIVET, AMOOR RIVER** (*Ligustrum Amurensis*)—Fine for hedges and borders; about the hardiest of the Privets. Foliage glossy green, well into the winter. Size 18-24 inches. Price, each 12c; 50 for \$5.65.

**2427 PRIVET, CALIFORNIA** (*Ligustrum Ovalifolium*)—Best known variety; hardy in most sections. Deep green, glossy foliage. Valuable for hedges. Size 18-24 inches. Price, 10 for 75c; 100 for \$6.45.

**2427 B PRIVET, REGEL'S** (*Ligustrum Regelianum*)—Low and dense. Branches spreading, slightly drooping; white flowers followed by black fruit. Size 18-24 inches. Price, each 15c.

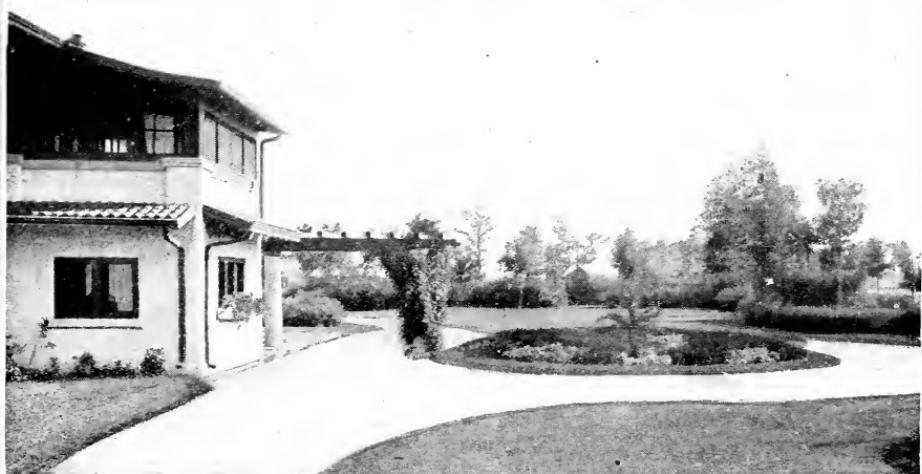
**2333 QUINCE, JAPANESE** (*Cydonia Japonica*)—Good for specimens or massed planting. Spreading, spiny branches. Scarlet flowers appear before the leaves and are followed by large, yellowish-green fruits. Size 18-24 inches. Price, each 32c.

**2329 A SPIREA ANTHONY WATERER**—A dwarf variety with bright pink flowers. Blooms nearly all summer. Absolutely hardy. Size 12-18 inches. Price, each 35c.

**2329 B SPIREA BILLARDII**—Medium height. Oblong leaves. Dense panicles of bright pink flowers. Size 2-3 ft. Price, each 36c.

**2329 B SPIREA, GOLDEN** (*S. Opulifolia*, var. *Aurea*)—Handsome variety. Golden-yellow foliage. Double white flowers in June. Size 2-3 ft. Price, each 37c.

**2330 SPIREA, PLUM-LEAVE** (*S. Prunifolia*)—A graceful shrub with slender, upright branches. Ovate leaves. Pure white flowers borne the length of the twigs. Size 2-3 ft. Price, each 39c.



This effect can be had at small expense if our Landscape Plans are followed out. Our free Landscape Book should be in the hands of every homelover. Ask for it.

## Ornamental Shrubs



**Bechtels DOUBLE FLOWERING Crab**



**Spiraea Vanhouttei Hedge**



**Deutzia**

**2300 A ALMOND PINK** (Double Flowering)—A hardy, beautiful tree-like shrub, covered in early spring with rose-colored blossoms. Size 2-3 ft. **Price, each 34c.**

**2300 ALMOND, RED** (Double Flowering)—Similar to above, except flowers are red. Size 2-3 ft. **Price, each 34c.**

**2300 B ARALIA, BUSH** (Aralia Pentaphylla)—Valuable for screen planting; leaves dark green until late in fall. Flowers yellowish-green. Size larger clumps. **Price, each 29c.**

**2303 BARBERRY, PURPLE** (Berberis Vulgaris, var. Purpurea)—Similar to common barberry, but more effective on account of its purple foliage; bright red berries. Size 2-3 ft. **Price, each 34c.**

**2304 BARBERRY JAPANESE** (Berberis Thunbergii)—Of low, dense growth. Brilliant red fruits retained until following spring. Valuable for hedge. Size 18-24 inches. **Price, each 28c.**

**2306 CORAL BERRY OR INDIAN CURRANT** (Symphoricarpos Vulgaris)—Fine for shaded situations; equally good for sunlight. A low shrub with red fruits. Size 2-3 ft. **Price, each 28c.**

**2300 C Currant, BLACK**—Fine for border or hedge planting. Fruit is edible. Size 2-3 ft. **Price, each 25c.**

**2309 A DEUTZIA ERECTA** — Resembles Deutzia Lemoinei. Flowers white. Size 18-24 inches. **Price, each 27c.**

**2309 DEUTZIA GRACILIS** — A small, handsome shrub with slender, arching branches. Pure white blossoms. Size 12-18 inches. **Price, each 27c.**

**2311 DEUTZIA LEMOINEI** — Excellent for forcing. More vigorous and showy than some of the other varieties. Snow white blossoms. Size 18-24 inches. **Price, each 28c.**

**2310 DEUTZIA PRIDE OF ROCHESTER** —A showy large blossoming sort. Double white flowers tinged with rose. Size 2-3 ft. **Price, each 27c.**

**2308 A DOGWOOD, RED - TWIGGED** (Cornus Sanguinea)—Greenish-white flowers, followed in fall by small black berries. Dark red branches effective in winter landscapes. Size 2-3 ft. **Price, each 29c.**

**2308 DOGWOOD, WHITE** (Cornus Alba, var. Siberica)—Tall growing with coral-red branches. Small white flowers followed by bluish berries. Size 2-3 ft. **Price, each 28c.**

**2312 ELDER, GOLDEN** (Sambucus Nigra, var. Aurea)—A showy golden-leaved shrub. Retains its color all summer. Size 2-3 ft. **Price, each 29c.**

**2308 B FRINGE TREE** (Chionanthus)—Tree-like in form. Drooping panicles of white flowers; fragrant, borne in fringing clusters. Foliage deep green, leathery, turning yellow in fall. Flowers followed by small, blue fruit. Size 3-4 ft. **Price, each 35c.**

**2313 A GOLDEN BELL** (Forsythia Intermedia)—Covered early in spring with bright golden flowers. Arching branches; dark green, lustrous foliage. Size 2-3 ft. **Price, each 27c.**

**2313 GOLDEN BELL, RED-TWIGGED** (Forsythia Viridissima)—Deep yellow blossoms. Needs protection during winter in the North. Size 2-3 ft. **Price, each 28c.**

**2316 HONEYSUCKLE, ALBERTA or SIBERIAN** (Lonicera Albertii)—Small and bushy. Rosy-pink, fragrant flowers borne on slender and erect stems. Size 2-3 ft. **Price, each 28c.**

**2317 HONEYSUCKLE, RED** (Lonicera Tartarica Rubra)—A tall, strong-growing shrub with crimson blossoms. Very attractive. Size 2-3 ft. **Price, each 29c.**

**1310 HYDRANGEA ARBORESCENS** (Hills of Snow)—A well known and much liked sort. Wealth of snow white blossoms during July and August. Of upright habit with dark green foliage. Does well in any soil. Size 2-3 ft. **Price, each 40c.**

**2314 HYDRANGEA PANICULATA GRANDIFLORA**—A hardy ornamental shrub with dense globose head. White flowers, turning to bronze and pink in the fall. Showy and attractive. Size 2-3 ft. **Price, each 28c.**

**2315 KERRIA JAPONICA** (Globe flower, Japanese Rose)—Highly ornamental. Slender, light green branches. Globe-shaped, yellow flowers. Leaves turn yellow in fall. Size 18-24 inches. **Price, each 32c.**

**2326 A LILAC, PURPLE** (Syringa Vulgaris)—The old-fashioned variety. Perfectly hardy. Large clusters of fragrant blossoms. A general favorite. Size 2-3 ft. **Price, each 29c.**

**2326 B LILAC, WHITE** (Syringa, var. Alba)—Similar to above, but pure white. Flowers delightfully fragrant. Size 2-3 ft. **Price, each 28c.**

**2336 LILAC, LUDWIG SPATH**—A single, dark purple species, with very large panicles; the best of the dark varieties. Size 2-3 ft. **Price, each 49c.**

**2324 MOCK ORANGE, GOLDEN-LEAVED** (Philadelphus Coronarius, var. Aureus)—A medium size shrub with golden-yellow foliage. Effective when grouped with other varieties. Size 18-24 inches. **Price, each 34c.**

**2322 -MOCK ORANGE, LARGE FLOWERING** (Philadelphus Grandiflorus)—Flowers large and showy, quite fragrant. Spreading branches, upright and vigorous. Rapid grower. Hardy. Size 2-3 ft. **Price, each 27c.**

**2323 MOCK ORANGE, HYBRID** (Philadelphus Lemoinei)—Graceful shrub with attractive green foliage. Flowers, borne in clusters late in spring, white and fragrant. Size 18-24 inches. **Price, each 29c.**



**Bush Honeysuckle**



**Weigela**



Lilac



Barberry



White Spiraea



Hydrangea

## Ornamental Trees

**2479 LOMBARDY or PYRAMIDAL POP-LAR** (*Populus Nigra*, Var. *Fastigiata*)—Pyramidal form; compact growing; very hardy. Grows rapidly and attains a height of 100 feet or more. Very popular in southern part of Europe. Fine for landscape planting as it breaks the monotony of other trees. Size 8-10 ft. Price, each 65c; 3 for \$1.85.

**2470 MOUNTAIN ASH** (*Fraxinus Sorbus*)—Not a large tree, though it grows rapidly; make handsome, symmetrical specimens; good for lawn planting. Leaves turn a brilliant yellow in fall. Size 6-8 ft. Price, each 55c; 3 for \$2.40.

**2471 BIRCH WHITE** (*Betula Alba*)—A quick growing tree that after a few years develops the beautiful white bark so familiar in landscapes. Very attractive for lawn planting. Size 6-8 ft. Price, each 60c; 3 for \$1.65.

**2472 BIRCH WEEPING CUT-LEAVED** (*Betula Lacinia Pendula*)—Tree acquires graceful, drooping habit and silvery white bark at an early age. Leaves are deeply cut. A well known favorite which makes an attractive specimen. Size 6-8 ft. Price, each \$1.50.

**2474 ELM AMERICAN** (*Ulmus Americana*)—A tree that needs no introduction; the best of all native shade trees. Of gracefully spreading habit, with slightly drooping branches. Is adapted to a variety of conditions. Easily transplanted. An excellent avenue tree. Size 6-8 ft. Price, each 50c; 3 for \$1.35.

**2482 CHESTNUT HORSE** (*Aesculus Hippocastanum*)—Tree of regular form with showy foliage; covered with attractive white flowers in the spring. Does well in the northern states. Size 4-5 ft. Price, each \$1.00.

**2482 C LINDEN AMERICAN** (*Tilia Americana*)—Valuable native tree; grows rapidly, forming a broad, round, open top. A honey-bee favorite. Fragrant creamy-white flowers borne on winged stalks in July. A good avenue or specimen tree. Adapted to a variety of soils. Size 6-8 ft. Price, each 95c.

**2482 D MAPLE WIER'S CUT-LEAVED** (*Acer Wierii Laciniatum*)—Tall-growing lawn specimen; foliage silvered on under side, finely cut. Attractive for street planting. Size 6-8 ft. Price, each \$1.35.

**2482 E MAPLE PURPLE** (*Acer Schwedleri*)—Of the Norway family. Handsome, purplish-crimson leaves in May and June, changing to a bronze in the fall. Size 6-8 ft. Price, each \$2.00.

**2482 G UMBRELLA TREE** (*Catalpa Bungei*). Size 6-8 ft. Price, each \$1.50.

### Flowering Trees

**2482 H CRAB, BECHTEL'S DOUBLE-FLOWERING** (*Pyrus Ivensis*, var. *Bechtellii*). Size 3-4 ft. Price, each 95c.

**2482 I PLUM, DOUBLE-FLOWERING** (*Prunus Triloba*). Size 2-3 ft. Price, each 55c.

**2482 J THORN, SCARLET** (*Crataegus Coccinea*). Size 3-4 ft. Price, each 67c.

**2480 TULIP TREE** (*Liriodendron Tulipifera*). Size, 6-8 ft. Price, each \$1.15.

### Evergreens

**2451 AMERICAN ARBOR VITAE** (*Thuya Occidentalis*). Price, each 35c; 10 for \$3.20.

**2457 NORWAY SPRUCE** (*Picea Excelsa*). Price, each 33c; 10 for \$3.10.

**2452 BALSAM FIR or BALM OF GILEAD** (*Abies Balsamea*). Size 18 to 24 inches. Price, 45c each; 3 for \$1.25.

**2456 A DOUGLAS SPRUCE** (*A. Douglasii*). Size 18 to 24 inches. Price, each 70c; 3 for \$2.00.

**2476 MAPLE NORWAY** (*Acer Platanoides*)—A handsome tree which forms a wide, rounded head of spreading branches. Deep green leaves. Strong and vigorous. Fine for shade. Size 6-8 ft. Price, each 95c; 3 for \$2.75.

**2482 A MAPLE SUGAR or ROCK** (*Acer Saccharum*)—Erect, neat in appearance; forms an oval head of dense foliage. Adapted to a variety of situations. Good for shade, valuable for production of sugar and wood. Size 6-8 ft. Price, each \$1.00; 3 for \$2.85.

**2482 B SYCAMORE ORIENTAL PLANE** (*Platanus Orientalis*)—An erect tree with bright green foliage; rapid grower. Does well in moist places. Hardy and practically free from diseases. Excellent for winter effects on account of its white bark. Size 6-8 ft. Price, each 74c.

**2477 MAPLE, SOFT or SILVER** (*Acer Dasycarpum*)—A well-known shade tree. Of more rapid growth than most trees. Irregular rounded form. Leaves bright green above and silver beneath. Size 6-8 ft. Price, each 75c.

**2482 F MULBERRY, WEEPING** (*Morus*, var. *Tatarica Pendula*)—A graceful, weeping tree, one of the best in cultivation. Slender, willowy branches drop to the ground. Rapid grower. 2 year head. Price, each \$2.00.



Koster's  
Blue Spruce

**2456 KOSTER'S BLUE SPRUCE** (*Picea Pungens*, var. *Kosteriana*)—A very beautiful blue variety, discovered in the Rocky Mountains. It is the nearest blue of any evergreen, very distinct in foliage and growth. It is in great demand throughout the eastern states, where fine specimens have been established, proving it to be the best of all evergreens for the lawn. It will stand the coldest climate and there is nothing in evergreens that will equal it in color. Size 2-3 ft. Price, each \$4.00.

# DEPARTMENT OF

## Special Pasture Mixtures

### Permanent Hay Pasture Mixture

Although the most widely cultivated hay grass in the United States is Timothy, or a mixture of Timothy and Clover, and while they answer the purpose admirably on farms, where the soil is suitable, and where the usual three and four years' rotation is carried on, yet there are many other grasses which will yield more profitable returns.

The seed of these Permanent Mixtures is more costly than Timothy, and more is required per acre, but by reason of their heavy cropping qualities and permanency they soon repay the extra cost and leave a handsome margin for the farmer, when the cost of plowing, harrowing and reseeding Timothy every three or four years is taken into consideration.

The grasses used in the Mixture recover quickly after the hay crop is cut and yield either a second crop or pasture in the greatest abundance during the summer and fall months. Within a few days after cutting, their rich green appearance as compared with Timothy, is a desirable feature, especially in fields close to the house, as it gives a park lawn effect to the surroundings. Sow 40 pounds to the acre. Price, 10 lbs., \$1.95; 20 lbs., \$3.80; 50 lbs., \$7.50; 100 lbs., \$14.75. By freight or express.

### Annual Hog Pasture Mixture

For several years past there has been a big demand for a Hog Pasture Mixture that would not only produce a heavy yield of green fodder but one that could come along quick and be ready in a hurry. We have decided to meet this demand and have made a well-balanced Hog Pasture Mixture. It is especially good for hogs but equally desirable for cattle, sheep and calves. Our Annual Hog Pasture Mixture can be sown quite early and be ready to pasture in about 8 weeks, and just be in the finest of condition in July and August when other pastures are beginning to dry up. It also can be sown during July and August and used as a fall pasture. This mixture should easily produce as high as 15 tons of green fodder per acre during the season. Sow at the rate of 50 to 100 pounds of seed per acre, depending upon the richness of the soil. If the soil is unusually rich 100 pounds of seed per acre would produce splendid results. Keep it well pastured down, as the stock like it best when it is young and tender. Price, 10 lbs., \$0.80; 20 lbs., \$7.00; 50 lbs., \$3.75; 100 lbs., \$1.50. By freight or express.

### Permanent Pasture Mixture of Grasses and Clover

The Galloway mixture is composed of correct proportions of grasses and clover suitable for various classes of land, producing most luxuriant pastures and wonderful hay crops. We recommend about 35 to 40 pounds of this seed per acre to insure best results. Let us know as nearly as possible the nature of your soil so that we can make up a mixture especially suited to your requirements. The mixture is made up of the best seeds of the highest quality and purity of germination. Price, 10 lbs., \$2.00; 20 lbs., \$3.90; 50 lbs., \$7.75; 100 lbs., \$14.50. By freight or express.

### Permanent Pasture Mixture for Bottom Lands

This mixture has been supplied extensively for heavy and low-lying lands and we have had good results where farmers have hitherto failed to produce a crop previously. We know exactly what Grasses succeed under these conditions and this knowledge is certainly worth a great deal to farmers about to seed land who have had no previous experience with pasture or hay mixtures. Sow from 30 to 40 pounds per acre. Price, 10 lbs., \$2.25; 20 lbs., \$4.40; 50 lbs., \$10.50; 100 lbs., \$21.00. By freight or express.

### Permanent Pasture Mixture for Rolling Lands

As this is a mixture of natural grass and clover, mixed in correct proportions to suit rolling land conditions, and is especially adapted to the Middle West, we would like to have our customers always state, when ordering grass mixtures, the state of the land so that we can vary this mixture to suit special conditions. Sow from 30 to 40 pounds per acre. Price, 10 lbs., \$1.80; 20 lbs., \$3.40; 50 lbs., \$8.00; 100 lbs., \$16.00. By freight or express.



Permanent Pasture Mixture for Rolling Lands

**Do not wait till the last minute to order this year. Of all years to Order Early this is the year. Seed of all kinds is scarce. Do not delay or you may be disappointed.**

# FIELD SEEDS

## Canada Blue Grass (*Poa Compresa*)

Resembles somewhat the Kentucky Blue Grass, but is shorter and more slender. It is grown very extensively in Canada and some parts of the United States. It will thrive even on hard clay soils, where there is not quite enough lime and fertility for Kentucky Blue Grass. It holds its color and freshness until snow comes. Canadian Blue Grass does not thrive when planted with clover. Red Top and Orchard Grass are the best for mixing with it to grow on inferior soils. On good land it becomes tall enough for hay and as it shrinks very little in drying the hay is heavy for its bulk. Grows from one to two feet high. Sow 30 pounds of seed to the acre.

## English or Perennial Rye Grass

This is the regular perennial variety which so many people really want when they order rye grass, but not knowing the difference, order the Italian Rye Grass instead. You will make no mistake by ordering from us if you want the real Perennial Rye Grass, which is so valuable as a pasture grass. The hay is relished by all kinds of stock. This is the real Perennial Rye Grass which is such a favorite (when the right one is secured) for lawn purposes, furnishing a green lawn which continues to come on until finally the blue grass takes possession.

**Timothy**



## Kentucky Blue Grass

Our stock of Kentucky Blue Grass is unequalled for purity and productiveness. Its germinating power is the highest possible and it is absolutely free from all obnoxious weeds. Kentucky Blue Grass should not be covered. It germinates much better if merely rolled after sowing. Sow about 3 bushels to the acre.

## Timothy

Timothy is too well known to require any elaborate description, only let us remind you that there are very many inferior, dirty grades of this very useful grass on the market, some of which if sown would soon destroy your land, for it would speedily become a weed patch.

We offer only the purest seed procurable and of the highest standard of growth. Our stock is limited and we strongly urge upon our customers to let us know their requirements as early as possible.

## Orchard Grass

This is a very early grass and particularly adapted to shady places. It is a valuable grass for both pasture and hay land because of its most favorable growing qualities. Generally more than one crop can be obtained for hay purposes in a single season, after which there is a heavy growth of aftermath, which gives an abundance of rich pasture until late in the fall. Sow 22 pounds to the acre when alone, or proportionately with other grasses.

## Bromers Intermus Grass

(Solid Seed, 14 lbs. to bu.)

We stock only one grade of Red Top, positively the highest. We do not stock the un-hulled or chaff grade which is always so unsatisfactory. Our high grade seed will produce a dense growth of velvety turf. Very valuable as a permanent pasture grass. It withstands the cold of the Northern States and can be depended upon to flourish almost anywhere. Specially suitable for growing on damp lands. Only ten pounds needs to sow an acre.

## Bromus Inermus

The greatest drought-Resisting Perennial Grass; Will Grow Anywhere. Yields abundant crops of hay and affords early pastureage. It is a prolific grower and is especially desirable for permanent pasture and hay ground. Its drought and frost-resisting qualities are quite remarkable. It starts early in the spring and affords an abundance of nutritious feed much earlier than the ordinary native prairie grass. It is considered about equally nutritious with timothy.

The spring is one of the best times for sowing; however, it can be sown at most any time of the year. A nurse crop can be used, but if so it should be used sparingly. The seed is generally slow in germinating.

## Meadow Fescue or English Blue Grass

Especially suited for permanent pasture and is also fine for hay. Grows two to three feet high, but not in tufts like Orchard Grass. The hay is very nutritious and cattle thrive on it whether dry or green. Succeeds even in poor soil, and as the roots penetrate deep, from 12 to 15 inches, it takes extremely dry weather to affect it. As a fertilizer it has valuable properties. It will stand freezing and its use is becoming more widespread. About 24 pounds of seed are sown to the acre.

**Red Top**



FOR PRICES ON ALL FIELD SEEDS, ASK FOR OUR RED PRICE LIST

Legumes

# CLOVERS—ALFALFAS

Legumes

## Northern Grown Alfalfa, Grimm Quality

This very high grade seed was grown for us in South Dakota and Montana on a high land, and is of course non-irrigated. It is 99 1/2% pure and germinates as near the 100% mark as it is possible to get seed to grow. For all northern latitudes, this hardy seed is ideal, and can be safely depended upon to make a stand and produce abundant crops of good rich alfalfa.

## Northern Grown Alfalfa, Dry Land

This excellent type of alfalfa is very extensively grown in the northern states, and gives universal satisfaction. It is a long-rooted, sturdy variety and yields an abundance of rich, deep green foliage which makes good rich hay, exceptionally high in protein value. Will thrive in any latitude, being perfectly hardy. Try this seed on high exposed positions.

## Kansas Grown Alfalfa

We have a very fine stock of this seed. It is ideal for southern latitudes and even has been successfully grown in the northern states when spring-sown. It is of the very highest standard of purity and germination.

## Clovers

Our stocks of Clovers are clean, pure and tested. For prices see our Red List. Field Seed prices could not be quoted, owing to fluctuations, when this book was printed.

Medium Red  
Mammoth  
Crimson  
Alsike  
Alsike and Timothy Mixed  
Sweet Clover, White Blossom (hulled and scarified)  
Sweet Clover, Yellow Blossom (hulled and scarified)  
White Dutch.



Medium Red Clover

If you do not use "NITRAGIN" Inoculator for all your legume seed you are neglecting to make the most out of the legume crop.

Alfalfa and Clovers need good inoculation, such as "NITRAGIN," if you want to get a good stand. "NITRAGIN"ed Alfalfa and Clovers always lead in yield and vitality. They grow more and better. Don't forget your "NITRAGIN" when you order Alfalfa or Clovers. It is safe, simple and sure, the best in every way.

### PRICES.

When ordering mention legume crop wanted for.	
Garden size (for Peas, Beans and Sweet Peas), Shipping weight, 4 ozs.	\$0.30
1/2 acre size, Shipping weight, 4 ozs.	.50
1 acre size, Shipping weight, 8 ozs.	1.00
2 acre size, Shipping weight, 1 lb.	1.80
5 acre size, Shipping weight, 2 1/2 lbs.	4.00
10 acre size, Shipping weight, 5 lbs.	7.50
Postage or express extra.	

William Galloway on the Mower in His Alfalfa Field near Waterloo, Iowa



**FOR PRICES ON ALL FIELD SEEDS, ASK FOR OUR RED PRICE LIST**

# Legumes COW PEAS—SOY BEANS Legumes

## Cow Peas

New Era (Early)

There are quite a large number of cow peas offered by seed houses, but there is not a more reliable variety anywhere than the New Era. It is much more productive than any of the old class and is especially suited to the Northwestern States, owing to its hardiness. In the cow pea we have a fertilizer and a food at the same time.

## Field Peas

Canadian

They are an ideal crop for our Northwestern climate; they will flourish in districts too cool and uncertain for corn. For soiling, plowing under or as green manure no crop is of more importance.

Pea hay, cut green and well cured, approaches clover in feeding value and is more relished by horses, cattle and sheep than the straw of any other of the small grains. Field peas when sown with oats or barley, for forage, hay or pasture, make an excellent combination and is much relished by all kinds of stock.

## NOTICE

Good seed corn is scarce and hard to secure this year, mostly on account of early frost and late maturing.

We have been able to secure some good, high-testing 1916 seed. This variety is an early yellow dent, grown at Kellogg, Iowa, and is recommended for central or southern Iowa. We also have some South Dakota grown seed that we recommend for the northern states.

We cannot price seed corn at time of going to press. Write if you need seed corn and we will be glad to send our latest prices on all farm seeds.

## How to Make Soil Rich with Cow Peas and Soy Beans

  
Cowpeas and Soybeans are legumes. This means they need inoculation. Without inoculation they will not do well. The best inoculation is with "NITRAGIN." It brings the bacteria these plants need. "NITRAGIN" on Cowpeas or Soybeans will give you a bigger yield from each. It is reliable and easy to use. Order it with your seed.

### PRICES.

When ordering mention legume crop wanted for.

Garden size (for Peas, Beans, and Sweet Peas). Shipping weight 4 ozs.	\$0.30
1/2 acre size. Shipping weight, 4 ozs.	.50
1 acre size. Shipping weight, 8 ozs.	1.00
2 acre size. Shipping weight, 1 lb.	1.80
5 acre size. Shipping weight 2 1/2 lbs.	4.00
10 acre size. Shipping weight 5 lbs.	7.50

Postage or express extra.

## Soy Beans

Extra Early Yellow

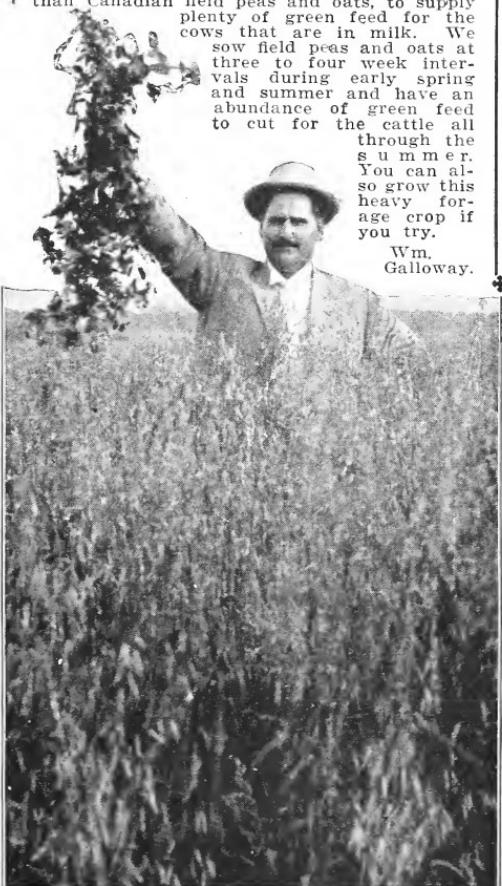
(The Great Ensilage Plant)

No field crop has come to the front so rapidly as the soy bean. It has proved its worth wherever grown; as a soil builder it has few equals; for growing in corn for ensilage it is an excellent plant. Sow between the corn rows after the last cultivation. They are planted and harvested practically the same as cow peas. A favorite way to plant them is in rows about  $2\frac{1}{2}$  to 3 feet apart, thick in the rows. They grow erect and often reach a height of 4 feet and the yield of seed is enormous. As much as five tons of dry hay has been cut per acre and as much as 50 bushels of seed harvested per acre.

## Look at This Wonderful Picture

Below is shown a crop of oats and Canadian field peas, which I grew right here near Waterloo near the Galloway-Messer Farms. Notice how high and heavy the oats are. I am over six feet tall, so you can judge the height of the oats from the picture. Then look at the fine growth of nutritious Canadian field peas I am holding up. They grew right among the oats; in fact, they do better with oats, than with most any other crop. On a dairy farm such as ours, nothing is better than Canadian field peas and oats, to supply plenty of green feed for the cows that are in milk. We sow field peas and oats at three to four week intervals during early spring and summer and have an abundance of green feed to cut for the cattle all through the summer. You can also grow this heavy forage crop if you try.

Wm.  
Galloway.



**FOR PRICES ON ALL FIELD SEEDS, ASK FOR OUR RED PRICE LIST**

# OATS—BARLEY



## What Professor Burger Says:

Gentlemen: The "Iowa 103" oat has given remarkable yields in Black Hawk County and throughout the State. In plot-tests conducted in the county this year and including all of the standard varieties this variety out-yielded the other oats by an average of better than ten bushels per acre. In another series of tests which included over 1,000 bushels of "Iowa 103" distributed among over 50 farmers, this variety out-yielded the home-grown variety from 5 to 25 bushels per acre. In only three or four cases out of the entire number of experiments were the "Iowa 103" out-yielded by the local variety, while in almost every case the 103 gave the highest test. They have an advantage in being early for the reason out of the way of the hot weather of early summer. A. A. Burger, County Agriculturist.

## Iowa 105 Oats

### THE BEST VARIETY FOR RICH, STRONG LAND

First sent out by Prof. L. C. Burnett, of the Iowa Agricultural College, who produced it by scientific breeding for several years. Grains are medium size, light yellow color, plump and heavy. It has very strong straw and its greatest value is because it will stand up under adverse conditions and upon rich land better than any other sort. Produces wonderful crops, and is recommended to farmers who must sow oats where they are likely to lodge because of excessive growth of straw. Mature as early as the White Kherson and are sure to make a crop.

## Barley—Pedigreed Mansury

We say without the slightest hesitation that we hold a stock of this fine barley which cannot be excelled. The kernels are plump, hard and a nice bright color and of strong germinating vitality. Just the kind of grain to produce bumper crops.



## Barley, Oderbrucker or Wisc. No. 13

We have secured an exceptionally fine stock of Genuine Oderbrucker Barley. The demand for this barley last season was extraordinary. The demand exceeded the supply by several thousand bushels. We would therefore ask our customers to kindly send us their orders for Oderbrucker Barley as early as possible.

## Galloway's Iowa 103 Oats

The Iowa 103 Oat has created a greater sensation than any other oat ever introduced. It outyielded all others during seasons 1916 and 1917. Our customers, needing a good early heavy-yielding oat, cannot possibly do better than to give the Iowa 103 a trial. This oat was introduced by the Iowa State Agricultural College about three seasons ago, and has made good ever since its introduction. We have secured an exceptionally nice stock of the Iowa 103 Oat which is raised from the original Ames stock. The Iowa 103 Oat can be depended upon to yield well anywhere in the Corn Belt.

## Other Varieties of Oats

We can also supply other varieties of seed oats such as the following, prices on which are in our Red List:

Regenerated  
Swedish  
Select Sixty Day  
Silver Mine  
Kherson Yellow  
Kherson White



**FOR PRICES ON ALL FIELD SEEDS, ASK FOR OUR RED PRICE LIST**

# Canes—Speltz—Millets, Etc.

Amber Cane



## Japanese Buckwheat

We have secured a very fine stock of this entirely distinct Buckwheat from an expert raiser of this seed. This variety of buckwheat is far superior to the Silver Hull variety owing to the fact that it is a much earlier seeding variety and for that reason it is especially adapted to the climatic conditions of the northern states.

## Sunflower, Giant Russian

A great favorite for both the poultry raiser and the hog raiser. It is hardly necessary to call the attention of the poultryman to the egg-producing properties of sunflower seed. It contains a large percentage of protein, very fattening, and a heavy yielder. The plants will range from 6 to 10 feet high, heads large and well filled.

## Millet, Japanese

This is a type of millet absolutely distinct from all others. It is sometimes called **Billion Dollar Grass**. It grows from 6 to 9 feet high, stands up well and yields enormous crops. When cured it makes excellent hay which in quality is considered superior to corn fodder, and is eaten readily by all kinds of stock. It is usually sown broadcast at the rate of 15 pounds per acre, but yields better if sown in drills 12 to 18 inches apart, using about 12 pounds of seed to the acre. Cultivate until the plants are about 18 inches high at which time its growth will smother out all weeds. This variety of millet does best on low, moist ground.

## German or Golden

### (True Southern Millet)

This grows very rank and is one of the best varieties for hay or fodder. On good rich soil it will make a growth of 4 to 5 feet high, and although the hay may seem coarse, yet it is so tender that if cut at the right stage, which is when in full bloom, even the hogs will eat the cured hay quite greedily. A yield of 5 tons of hay per acre is nothing unusual.

## Amber Cane

As a fodder crop sugar cane furnishes an enormous amount of feed, producing a richer and more nutritious feed of greater value than fodder corn. Sorghum can be profitably grown in all sections where corn is produced, notwithstanding drought better than corn. Sorghum has not only taken front rank as one of the greatest forage plants, but is also extensively raised for sugar or syrup.

## Speltz or Emmar

The United States Department of Agriculture says: "The extremely variable conditions in some of our western states have made it desirable to give particular attention to crops resistant especially to cold and drought. Among such crops Emmar holds high rank and should become one of the prominent crops for stock feeding."

## Flax, Northern Grown

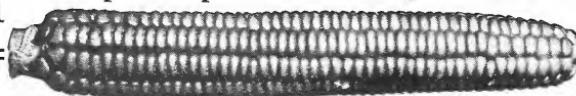
When sowing flax seed be sure you get it absolutely pure. There is perhaps no seed more liable to be impure than flax. Quite 75 per cent of the samples sent in to us have contained a very large percentage of foreign seed, principally wild mustard. No practical farmer requires to be told by us what it would mean to his farm if he were to unknowingly sow down a few acres of flax that contained wild mustard seed.

## Rape, Dwarf Essex

Rape is especially relished by hogs and sheep. Take, for example, the putting of rape along with oats. It is certainly a splendid way to get an abundance of feed for practically nothing. Rape can also be sown between the corn rows at the last cultivation, and will insure a splendid pasture for your hogs after the corn has been harvested.



# Corn—Bumper Crop Varieties for All Sections—Corn



## Early Longfellow Flint

The most popular of all flint varieties. It is a beautiful 8-rowed yellow flint, with slender, straight ears, 10 to 15 inches long. Kernels are large and wide, and cob very small. Ripens in 75 to 85 days and very prolific.

## Bloody Butcher

This fine corn is a prime favorite in North and South Dakota, Minnesota, Wisconsin, Michigan, and many of the eastern states. It is a heavy yielder, maturing in about 90 days; ears 10 to 12 inches long, with 14 to 16 rows of solid, compact grains of a blood-red color.

## Wimple's Yellow Dent

A famous Dakota variety of corn. It originated with Mr. Wimple, a corn specialist of South Dakota and is now largely planted over the southern part of South Dakota and throughout northern Iowa. This variety, which has had a lot of careful breeding work put on it, is a bright yellow corn, with an average ear, producing kernels of unusual depth. Our stock is South Dakota grown. This variety is a little larger than Minnesota No. 13.

## Reid's Yellow Dent

This is one of the very best yellow dent varieties known in the Corn Belt. The last few years it has won more grand championship prizes than all the other varieties put together. It is, however, not adapted to the extreme northern portion of the Corn Belt, but can be grown with marked success all through the southern two-thirds of Iowa, and east and west in the Corn Belt.

## Cyclone Seed Sower



Our Cyclone Hand Grass Seeder or Seed Sower, distributes seed uniformly broad-cast, and operates very easily. Just the thing for sowing wheat, barley, oats, buckwheat, hemp, rice, blue grass, clover, alfalfa and any small grain or

other grass seed. Substantially made, durable, and with care should last a life time. No parts to get out of order easily. Shipping weight, 4 lbs. Postage extra or can be sent by express at purchaser's expense. Price \$1.95.

Blue Grass, Iowa, March 29, 1917.

I sowed some of your Kentucky Blue grass two years ago, and like it very much. You sent me some sample vegetables, and they were just fine, especially those little white tipped radishes. I never had such nice ones before.

J. C. Hieremann.

## Silver King

We know of no better seed corn for the northern part of the Corn Belt than Silver King, as it is termed in the northern part of Iowa; and Wisconsin 7, as termed in Wisconsin, where it has been developed under the direction of Professor Moore.

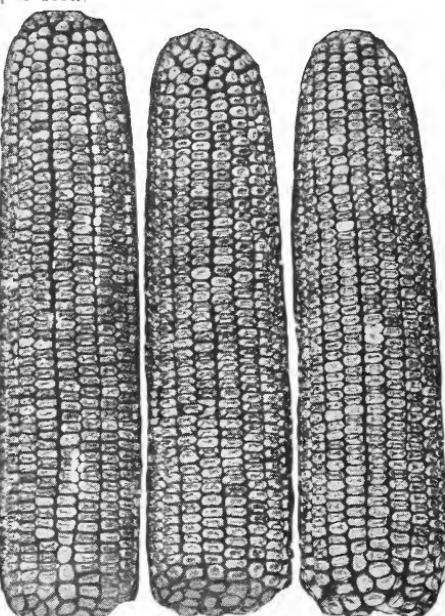
This is a pure white dent corn with ears of good size and inclined to be well-filled over the butts and tips. An early variety of corn and a splendid sheller.

## Minnesota No. 13

A rich yellow ear of from sixteen to twenty rows and very early maturing. It is a heavy yielding variety and largely grown throughout the state of Minnesota through the recommendation of the Minnesota Experiment Station, where it was developed.

## Pride of the North

A Dependable Early Yellow Dent Corn. In some sections of the Northwest, it equals other varieties in yield and quality. The stalks are well proportioned, being short-jointed and leafy. Two or more well developed ears are frequently found on a single stalk. The kernels are very deep and closely set on the ear. Pride of the North shells more corn in proportion to cob than any other variety grown in the West. It is specially valuable to stockmen to feed in the bundle, thus saving the expense of husking. Average height of stalk, 8 feet; average distance base of ear from ground, 3 feet.



The old standby, Reid's Yellow Dent

**FOR PRICES ON ALL FIELD SEEDS, ASK FOR OUR RED PRICE LIST**

# FIELD AND ROOT CROPS

For Stock

## Mangels

See page 17, also inside back cover for other Mangels

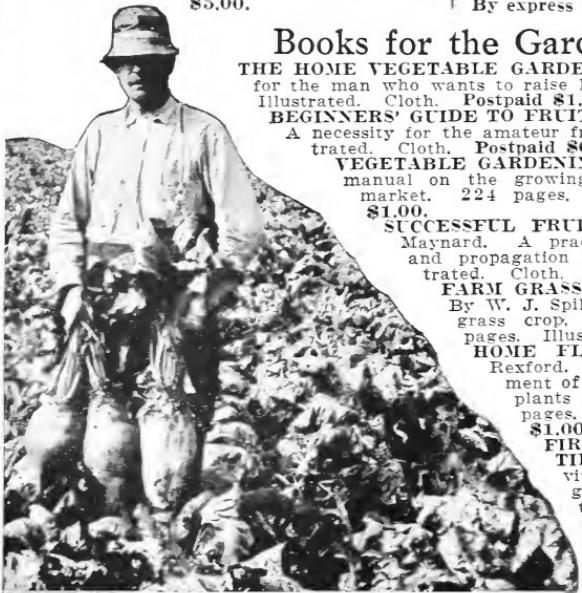
### Galloway's Mammoth Long Red Imported Mangel ★

**12** THREE parts of the root is above ground, making them just as easy to harvest as the Globe type. Our stock is absolutely distinct from the old long red type, which was an ugly, uneven root. Our Imported Mammoth Long Red produces large, uniformly straight, well formed roots and can always be relied upon to produce a bumper crop of clean, sweet, crisp roots; just the kind of feed that cattle delight in. There certainly is a whole lot of good money in Mangels and we want you to get some of it. Try 5 or 10 acres. Price, 1 oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 90c (postpaid); by express or freight, 6 lbs. (sufficient for one acre), \$5.00.

### Galloway's Improved Golden Tankard Mangel ★

#### 10 Imported European Stock

**I**T combines apparently all the fine points possible to condense into a Mangel. The color is a deep rich yellow, the flesh is firm and solid and a rich golden yellow in color, just the root for your milk cows. A ration or two a day will add richness to the color of your cream and keep your cows in prime condition and in addition will cut down your feed bill to one-half. If you are a dairyman you should not miss this opportunity of saving money. Give your stock one-half dry feed and one-half Mangels and just note how they will thrive. Price, 1 oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 90c (postpaid). By express or freight, 6 lbs., \$5.00.



### Goldfinder Yellow Globe ★

#### 13 Imported European Stock

**T**HIS grand Mangel Wurzel is claimed by expert dairymen to be the best for their purpose. They claim for it that it contains more nutritive matter than any other variety; that it increases the flow of milk, improves its quality and color, keeps the milch cows in good condition throughout the winter and spring.

This variety has a very small top and few leaves. The root is medium sized, globe shaped, has a very small tap root, is free from side roots, grows almost entirely above the ground, making them very easy to harvest and especially suitable to shallow ground. The roots are a rich golden yellow color, the flesh is very crisp and sweet. Goldfinder Yellow Globe is a very heavy cropper, 40 to 50 tons per acre being quite an ordinary yield. An excellent keeper. Price, 1 oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 90c (postpaid). By express or freight, 6 lbs., \$5.00.

### Eckendorfer Giant Red ★

#### 11 Imported European Stock

**O**NE of the most popular varieties of Mangels grown in Germany, in which country root crops are grown upon a very large scale. After extensive trials it has proved itself to be a very satisfactory variety for this country. The roots are smooth, long and cylindrical in shape, very much after the style of the Golden Tankard Mangel. They are very heavy, weighing from 16 to 20 pounds each. The flesh is firm, crisp and solid, white in color and of very high feeding value. Like the Mammoth Long Red the roots grow well up out of the ground and are easily harvested. Price, 1 oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 90c (postpaid). By express or freight, 6 lbs., \$5.00.

### Books for the Gardener and Farmer

**THE HOME VEGETABLE GARDEN** by Adolph Kruhm. A guide for the man who wants to raise his own vegetables. 100 pages. Illustrated. Cloth. Postpaid \$1.00.

**BEGINNER'S GUIDE TO FRUIT GROWING.** By F. A. Waugh. A necessity for the amateur fruit grower. 120 pages. Illustrated. Cloth. Postpaid \$0.75.

**VEGETABLE GARDENING.** By Prof. S. B. Green. A manual on the growing of vegetables for home and market. 224 pages. Illustrated. Cloth. Postpaid \$1.00.

**SUCCESSFUL FRUIT CULTURE.** By Samuel T. Maynard. A practical guide to the cultivation and propagation of fruits. 274 pages. Illustrated. Cloth. Postpaid \$1.00.

**FARM GRASSES OF THE UNITED STATES.** By W. J. Spillman. A practical book on the grass crop, meadows and pastures. 248 pages. Illustrated. Cloth. Postpaid \$1.00.

**HOME FLORICULTURE.** By Eben E. Rexford. A practical guide to the treatment of flowering and other ornamental plants in the house and garden. 300 pages. Illustrated. Cloth. Postpaid \$1.00.

**FIRST PRINCIPLES OF SOIL FERTILITY.** By Alfred Vivian. A vital subject treated in plain language. 265 pages. Illustrated. Cloth. Postpaid \$1.00.

**SPRAYING CROPS.** By C. M. Weed. Tells how to apply liquids and powders to plants to destroy insects and fungi. 140 pages. Illustrated. Cloth. Postpaid \$0.50.

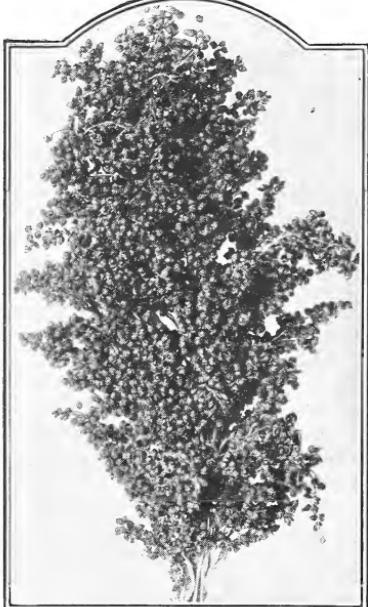
## Feterita ★

An Improved Dry Weather Kaffir

**F**ETERITA is an excellent drought resister. It stands erect, branches out from the root and matures 25 to 35 days earlier than Kaffir. Yields from 60 to 100 bushels per acre were reported last season. A remarkable feature is that in Southern States two crops of Feterita can be raised on the same ground, planting the second crop with the ripe seed of the first crop. It is also reported that chinch bugs do not bother Feterita. Feterita is bound to become one of the most important crops of this western country. Get your start now and be among the first to profit by this valuable addition. Ask for prices.

## Galloway's New Giant Spring Rye ★

**L**AST season we seeded down a very large acreage to this exceptionally fine grain, and harvested a bumper crop for seed. This was raised on Mr. Wm. Galloway's La Porte farm near Waterloo. It is the finest sample of seed Rye we have ever seen. Giant Spring Rye is a valuable crop of either green fodder, straw or grain; often used to sow along with Vetches. Absolutely the finest thing to sow on poor, worn-out or sandy land; produces astonishingly good crops. It is also a valuable catch crop to sow where fall-sown grain has been winter-killed.



Single Head of Kaffir Sorghum

For prices on  
Feterita, Sudan  
Grass, Giant  
Spring Rye and  
Schrock Kaffir  
Sorghum, See  
Our Red Price  
List

## Sudan Grass ★

The Record Making Forage Crop

**C**AN be grown almost anywhere. It seems to be unaffected by temperature and grows as well in a cool climate as a hot one. It requires no special quality of soil; black loam, clay and sandy loams have all produced uniformly successful crops. Its most valuable quality is its resistance to drought. In dry or semi-arid sections it thrives to perfection and yet excessive moisture does not injure it in any way. Although this grass in many ways resembles Johnson grass, it does not develop the objectionable root stocks of this grass and is an annual, the first winter killing it completely. This valuable grass completely outdistances all competitors in quantity of yield. Three or four cuttings in a single season, each producing from  $1\frac{1}{2}$  to 2 tons of hay per acre can be secured. A very conservative average is 5 tons of hay per acre each season.

## New Schrock Kaffir Sorghum

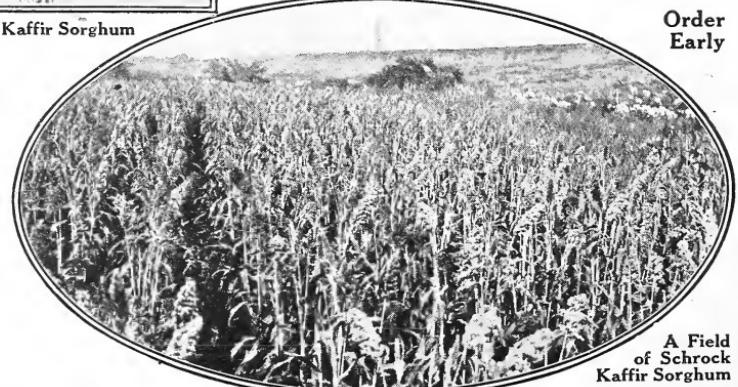
**S**CHROCK KAFFIR SORGHUM grows about four feet high, very heavy leafy foliage, very wide leaves, juicy, soft sweet stalk. Erect heads, kaffir-shaped; seeds deep orange, larger and softer than White Kaffir. All seed heads rise to about the same level, making easy topping. Suckers from roots, each sucker bearing large head; main stalk side branches at leaf joints, each shoot bearing seed head. Roots go down seven feet. Stays green and bears new heads until killed by frost. **SUREST DRY WEATHER GRAIN PRODUCER KNOWN.** The stalks and heads never break nor lodge and seed never shatters, no matter how long it is left in the field. Owing to the tightness of the hull, birds do not trouble it as they do other varieties. Threshes out fairly free from caps. Any livestock greedily eats every particle of the plant. Has a record of 70 bushels per acre without irrigation. It is a month earlier than White Kaffir. Cold ground does not affect the germination, consequently Schrock Kaffir Sorghum can be sown weeks earlier than Feterita and other Kaffirs.

For hay, drill with wheat drill, 50 pounds per acre.

**Harvesting:** For silage and dry fodder, cut with corn binder just before frost. For grain only, head with light corn knife or beet topper, **after frost.** For hay, cut with mower or wheat binder when heads are in the dough state, or beginning to harden.

Dry grain has same feeding value as white kaffir, and like white kaffir, for best results should be either ground or fed in the head. Finest of poultry feed. Makes best silage in the world because of soft sweet stalk and immense amount of leaves and grain.

Order  
Early



A Field  
of Schrock  
Kaffir Sorghum

FOR PRICES ON ALL FIELD SEEDS, ASK FOR OUR RED PRICE LIST

## **Use This Order Blank**

# GALLOWAY BROS. & COMPANY, WATERLOO

Name \_\_\_\_\_

Date 191

Post Office \_\_\_\_\_ State \_\_\_\_\_

Amount Enc.—

St. or Box No. \_\_\_\_\_ R. F. D. \_\_\_\_\_

Mail \_\_\_\_\_ Express \_\_\_\_\_ Freight \_\_\_\_\_

## **Shipping Station** \_\_\_\_\_

**Order No.** \_\_\_\_\_

In sending this order I realize that no reliable seedsman could accept responsibility for more than the actual cost of the seeds.

I know that success depends largely upon conditions of climate, soil and moisture.

I depend on you, as reliable experienced seed growers, breeders and importers, to use every care and send me only seeds that you believe are best for my planting in 1918.

If I find any mistake has been made in filling my order, I will advise you promptly, so you can either replace the seeds or refund the amount paid, as I may direct.

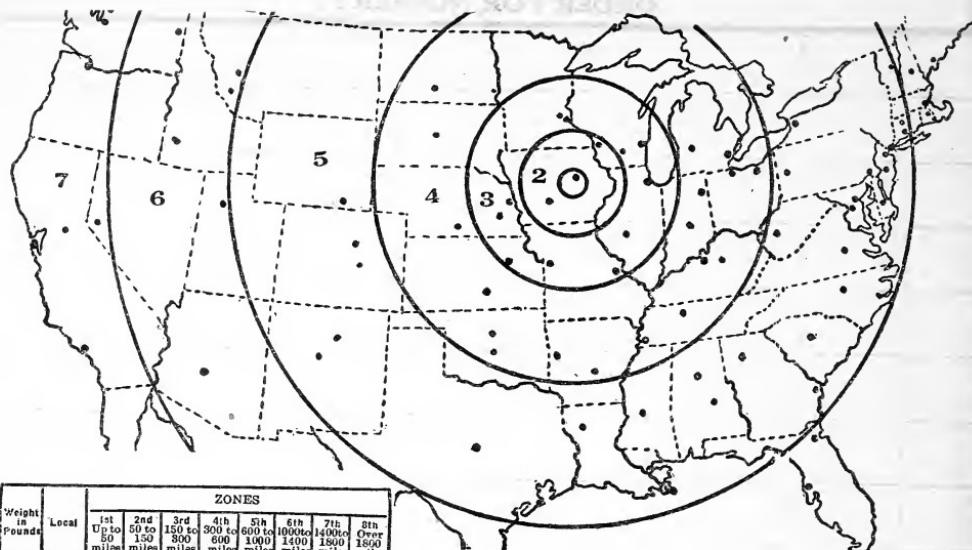
**DO NOT WRITE IN THIS SPACE**

**GARDEN SEEDS—Continued**

**ORDER FOR FLOWER SEEDS**

**ORDER FOR NURSERY**

**ORDER FOR FIELD SEED**



		ZONES							
Weight in Pounds	Local	1st Up to 100 miles	2nd Up to 200 miles	3rd Up to 300 miles	4th Up to 400 miles	5th Up to 500 miles	6th Up to 600 miles	7th Up to 1400 miles	8th Over 1500 miles
1	\$0.05	\$0.05	\$0.05	\$0.05	\$0.05	\$0.05	\$0.05	\$0.11	\$0.12
2	.06	.06	.08	.11	.14	.20	.24	.32	.32
3	.06	.07	.10	.15	.20	.25	.31	.36	
4	.07	.08	.12	.17	.26	.33	.41	.48	
5	.07	.08	.12	.17	.26	.33	.41	.48	
6	.07	.10	.14	.23	.32	.41	.51	.60	
7	.08	.11	.18	.31	.44	.59	.61	.72	
8	.09	.12	.20	.35	.50	.65	.81	.96	
9	.10	.13	.22	.39	.56	.73	.91	1.08	
10	.10	.14	.24	.43	.62	.81	.91	1.20	
11	.10	.15	.24	.44	.63	.82	.92	1.32	
12	.11	.16	.28	.51	.74	.92	1.21	1.44	
13	.11	.17	.30	.55	.80	1.05	1.31	1.56	
14	.12	.18	.32	.59	.86	1.13	1.41	1.68	
15	.13	.20	.35	.63	.92	1.21	1.51	1.80	
16	.13	.21	.38	.71	1.04	1.37	1.67	1.92	
17	.13	.21	.38	.71	1.04	1.37	1.67	1.92	
18	.14	.22	.40	.75	1.10	1.45	1.81	2.16	
19	.14	.23	.42	.79	1.16	1.53	1.91	2.28	
20	.15	.24	.44	.93	1.22	1.61	2.01	2.40	
21	.15	.25	.44	.93	1.22	1.61	2.01	2.40	
22	.16	.26	.46						
23	.16	.27	.47						
24	.17	.28	.48						
25	.17	.29	.49						
26	.18	.30	.50						
27	.18	.31	.51						
28	.19	.32	.52						
29	.19	.33	.53						
30	.20	.34	.54						
31	.20	.35	.55						
32	.21	.36	.56						
33	.21	.37	.57						
34	.22	.38	.58						
35	.22	.39	.59						
36	.23	.40	.60						
37	.23	.41							
38	.24	.42							
39	.24	.43							
40	.25	.44							
41	.25	.45							
42	.26	.46							
43	.26	.47							
44	.27	.48							
45	.27	.49							
46	.28	.50							
47	.28	.51							
48	.29	.52							
49	.29	.53							
50	.30	.54							

Prices on field seeds will be subject to market changes and unless you request otherwise, we will fill your order to the full amount of your remittance at the prevailing price. Prices usually advance steadily during the season, so it will be to your advantage to order early.

**Remittance**—Our terms are cash with the order. We do not care to ship goods C. O. D. unless it is absolutely necessary, as this would mean additional expense to you. All remittances should be sent in by postal or express money order, draft or personal check. Coin, currency or stamps should

be registered. We cannot be responsible for coins sent in with ordinary mail.

**Shipments**—We make shipments promptly. Seeds and "Nitragin" will be shipped immediately. Nursery Stocks and Bulbs about April 1st, or as soon as weather conditions permit. Tender Plants about May 1st, or before, if weather will permit.

If you order field seeds, garden seeds, shrubbery, nursery stock and plants, don't expect it to be shipped all at one time because if you order garden and field seeds in time to plant it is often too early to ship nursery stock and tender plants.

**How We Ship**—If catalog reads, "Postpaid," we ship either by parcel post or prepaid express—your choice. If order also contains seeds to be forwarded by express at your expense, we reserve the right to enclose "postpaid" seeds and make up the saving with extra seeds.

If your order includes articles which we do not prepay and you desire it sent by parcel post add parcel post fee to your remittance. You can easily figure this by referring to parcel post map and rate scale. Articles marked "By Freight or Express," or not marked "Postpaid," will be f. o. b. Waterloo, or shipping point; bags and packing free. If shipment goes forward at your expense we prefer to have you specify whether by freight or express and by what line or company. When shipment is forwarded by express we will advise you by postal card and when by freight we send you copy of the bill of lading. If there is no freight agent at your station it will be necessary to prepay charges to have delivery made at that point. Please add amount of freight charges to your order. If you cannot ascertain what charges will be on your shipment, write us and we will be glad to secure this information for you.

Prices on field seeds will be subject to market changes and unless you request otherwise, we will fill your order to the full amount of your remittance at the prevailing price. Prices usually advance steadily during the season, so it will be to your advantage to order early.

Include your order for nursery stock with your seed order, and we will be glad to ship when proper season arrives or at whatever time you say. We guarantee our nursery stock to reach you in good condition and to be of size and age mentioned. In case shipment arrives in bad condition, have the express agent note the particulars on your Express Receipt.

# STOP BUYING SEEDS THE OLD WAY

**JUST READ THEM:** Read these unusual letters of real enthusiasm over our seeds! They tell the whole story better than if I were to write half a dozen or more pages.

It's true that talk is cheap and exaggerated and overdrawn pictures are easy to make, but it's actual facts that count. Here they are in black and white! Here is real experience!

Jan. 26, 1917.

**M. J. W. TODD, DUNLAP, CALIF.** Been planting your garden seeds for three years. Never found anything better; they always grow; they are true to name.

Jan. 2, 1918.

**A. J. KROGH, ELMA, IOWA,** says: Last year I received some onion seed from you which surely did fine. Send me your price on Red and Yellow Globe seed. I will want between 15 and 30 lbs. I can get them here for a reasonable price, but don't like to take any chances on them, as I know yours will grow. I wish you could have seen them. I had one-half acre, and got close to 300 bushels of them, and some of them weighed close to 3 lbs. each. Had all kinds of buyers for them, so am going in the business right this year.

Jan. 1, 1918.

**R. H. COOPER, 22 SHERMAN ST., WEST CHICAGO, ILLINOIS,** says: Ordered some seed and will say I got fine results from each and every kind. Seeds are perfectly satisfactory. Service in mailing them out is prompt.

Jan. 2, 1918.

**H. T. WALTER, ROSWELL, SO. DAK.,** says: Swedish Select oats I purchased from you still making good. Made 72 bushels per acre this year, testing nearly 40 lbs. per bushel.

Feb. 1, 1917.

**MILON E. SPAIN, CASEY, IOWA,** says: The Banana cantaloupes were winners amongst my customers. I never saw anything like the Osage! Great melon, great flavor, and the best seller I ever raised.

June 22, 1917.

**AUGUST WAUTELET, ORMA, KANSAS:** Everything does very well, especially the lettuce, "Pride of Iowa," some of them measuring a foot across and weighing one pound. Your "Little Gem" beets are all beauties. Some "Langport" pea pods measure six and seven inches long. Beans are just fine. Flower seeds the same way.

Oct. 13, 1917.

**MRS. H. N. DARROM, FAIRBURY, NEBR.** I had a fine garden. Well pleased with your seeds.

April 28, 1917.

**MRS. C. O. TAFLINGER, CYLINDER, IOWA:** I ordered from other companies but never was satisfied with them as I have been with your company and your seeds. You are more prompt in filling orders.

July 23, 1917.

**MARIUS RHODE, CEDAR FALLS, IOWA.** My order last spring, both field and garden seeds, was the best I ever had. Am harvesting fine crop.

Feb. 19, 1917.

**LOUIS A. FUHR, VESTA, MINN.,** says: Last year we sent for all of our seeds to your house, and I never had such a good stand before.

Oct. 17, 1917.

**WM. J. ENDRES, BELMONT, MASS.** All the seeds I bought from your firm last year have made every one take notice of my truck garden. I want to thank you.

Jan. 29, 1917.

**J. H. HUDSON, PHILADELPHIA, PA.** From the pleasure we received last season from a small order of Sweet Peas which we ordered from you, I am enclosing another order for you to send as soon as possible. If I have the same luck this season, I will know where to send in the future. The Sweet Peas were fine and admired by lots of people.

PRIVATE OFFICE  
OF THE PRESIDENT

Waterloo, Iowa,  
January 10, 1918

Dear Gardener:

With pleasure and keen interest we hand you our 1918 Planting Guide and Pure Seed Book.

It's the best we ever issued--

With the best bargains we ever offered since in business.

Yes--it's smaller in size than before--but it has more good standard varieties and specials than ever, and this small size, handy, condensed, systematically arranged book enabled us to save several thousand dollars on the cost of the catalog and thereby give it to you in extra value in the seeds!

We sell only one quality--absolutely and positively the best--of time tried and tested varieties--no second or third grades whatever.

You will notice our new systematic arrangement of the book:

FIRST--The SPECIALS for 1918--from pages 10 to 20 and 90 to 99--

THEN--The STANDARD varieties, the principal lines of which, such as peas, beans, sweet corn, etc. are alphabetically arranged, which lists also include the specials.

This new systematic arrangement makes the catalog handy and easy to refer to, and when you order, just check off what you ordered for future reference.

By all means,--don't overlook our splendid 1918 Specials! Just try them and see for yourself! You will say what they all say: "The best I ever planted!"

In our standard varieties our experts have eliminated unnecessary varieties, and have selected only the kinds that will make you a good garden and build a bigger seed business for us—which is our ambition. It couldn't be done with anything but the best.

I sincerely request of you to order early as replacement stocks on many lines are already exhausted. Some cannot be had at any price. Others have doubled, tripled and quadrupled in price. But our stock is fresh and full at the present time.

My advice is to order now, even if you don't need the seeds for weeks to come.

We can make quick delivery.

Yours very truly,  
GALLOWAY BROS. & CO

Galloway Bros. Co. Waterloo, Iowa **Red Price List** Effective Jan. 1, 1918  
**WHOLESALE CASH PRICES ON PURE SEEDS**



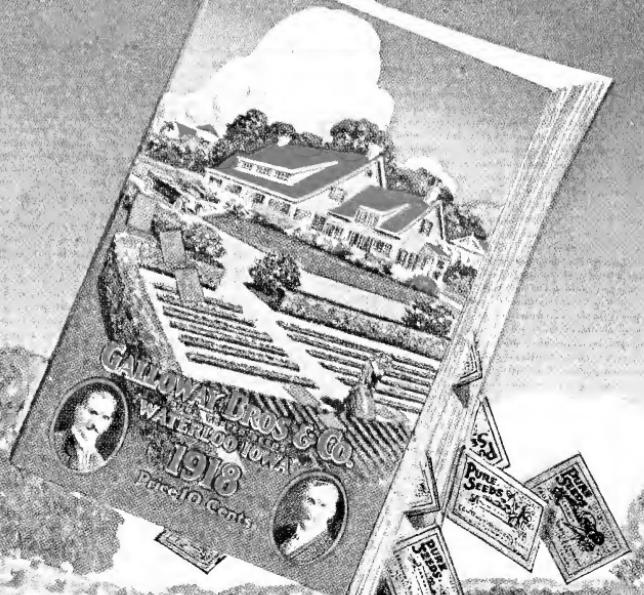
All prices subject to stock unsold and market fluctuations. All prices f. o. b. Waterloo, Iowa. All bags and packing free.

**GALLOWAY BROS. & CO.** give no warranty, expressed or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, shrubs or trees they send out, and they will not be responsible in any way for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

	Lbs. per bushel	Lbs. per acre	Price 20 lbs.	Price per bu.	Price per 100 lbs.
<b>ALFALFA—</b>					
Grimm Quality .....	60	15 to 20	\$6.00	\$16.00	\$27.00
Northern Grown Dry Land .....	60	15 to 20	4.75	13.25	22.00
Kansas Grown .....	60	15 to 20	4.15	11.90	19.85
<b>MILLET—</b>					
German or Golden .....	50	40	....	2.75	5.00
Japanese .....	35	20	....	1.60	4.00
<b>CLOVER—</b>					
Alsike .....	60	6	....	17.00	28.00
Mammoth .....	60	10	....	18.50	30.00
Medium Red .....	60	10	....	18.50	30.00
White Blossom Sweet (scarified) .....	60	20	....	16.80	27.50
Yellow Blossom Sweet (scarified) .....	60	20	....	10.25	17.00
White Dutch .....	60	4 (1 lb. 60c)			
<b>GRASSES—</b>					
Brome or Bromus Inermis .....	14	20	....	2.25	15.00
Kentucky Blue .....	14	30	....	3.60	25.00
Meadow Fescue .....	24	24	....	4.25	17.00
Orchard Grass .....	14	22	....	3.50	24.00
Perennial Rye Grass .....	24	40	....	2.40	10.00
Sudan Grass .....	50	15	....	11.00	20.00
Red Top (solid seed) .....	14	10	....	2.25	15.00
Timothy (Fancy) .....	45	15	....	4.90	10.50
<b>MISCELLANEOUS—</b>					
Barley, Mansury .....	48	90	....	2.50	....
Barley, Oderbrucker .....	48	90	....	2.50	....
Buckwheat, Japanese .....	52	70	....	2.75	5.00
Cow Peas, New Era Early .....	60	60	....	....	....
Field Peas, Canadian .....	60	150	....	....	....
Feterita .....	56	15 to 20	....	....	....
Flax, Northern Grown .....	56	45	....	....	....
Kaffir, Sorghum, Schrocks .....	56	12	....	5.25	9.00
Rape, Dwarf Essex .....	50	4	....	8.00	15.00
Rye, Giant Spring .....	56	65	....	3.50	....
Soy Beans, Early Yellow .....	60	40	....	....	....
Speltz or Emmar .....	40	80	....	....	....
Cane, Amber (broadcast) .....	50	70 to 100	....	3.50	6.50
Sunflower, Giant Russian .....		3	....	....	10.00
Iowa 103 Oats. Grown from Original .....		....	....	....	....
Ames Stock, recleaned, very choice .....		....	....	1.35	(Any Quantity)
Seed Corn. Ask for Prices. ....					

	Lbs. per acre	Price 20 lbs.	Price 50 lbs.	Price 100 lbs.
<b>MIXTURES—</b>				
Alsike and Timothy .....	10 to 15	\$2.75	\$6.35	\$12.50
Annual Hog Pasture .....	75	1.50	3.75	7.00
Permanent Hay Pasture .....	40	3.80	7.50	14.75
Permanent Pasture for Bottom land .....	35	4.40	10.50	21.00
Permanent Pasture for Rolling land .....	35	3.40	8.00	16.00
Permanent Pasture for grasses and clovers .....	40	3.90	7.75	14.50

**GALLOWAY BROS. & CO., WATERLOO, IOWA**



# PLANTING GUIDE AND PURE SEED BOOK

FOR PLANTINGS LIKE THESE  
USE OUR SEEDS SHRUBBERY  
AND NURSERY STOCK